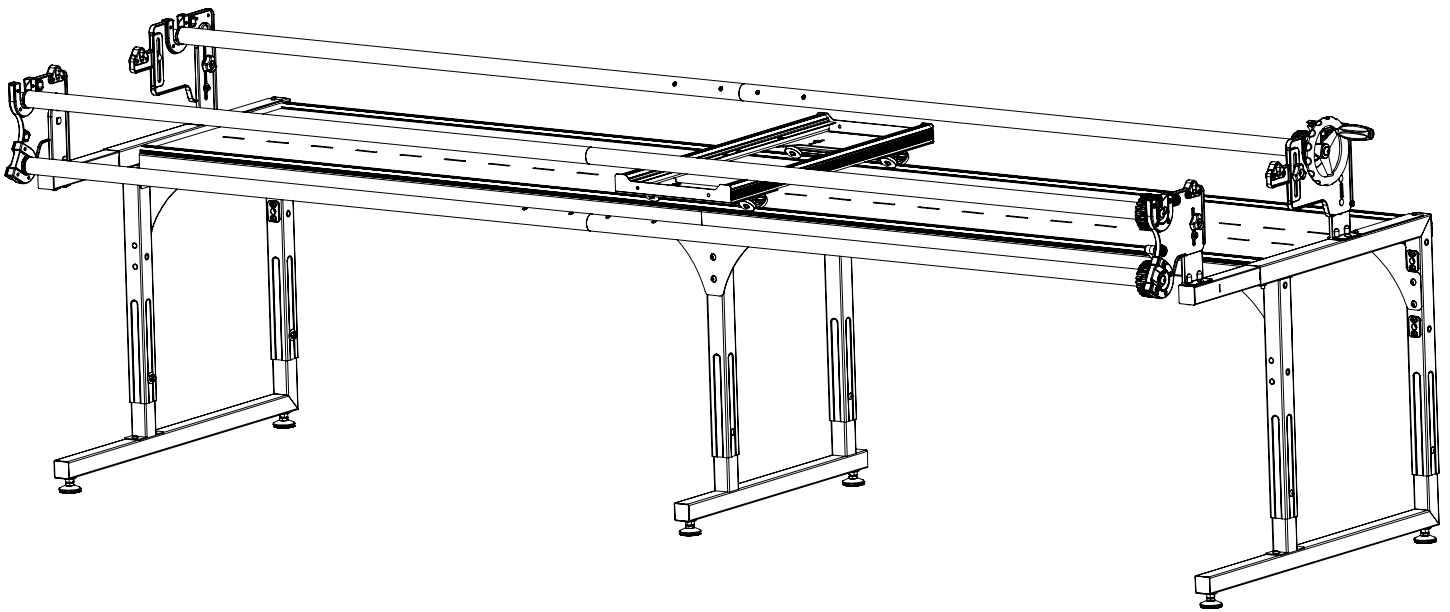


# Continuum Frame

## Assembly Instructions



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Jim M. Bagley, GraceWood, Inc  
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Version 2.2

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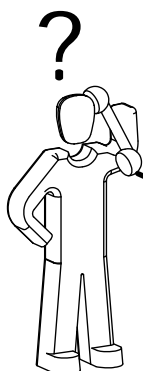
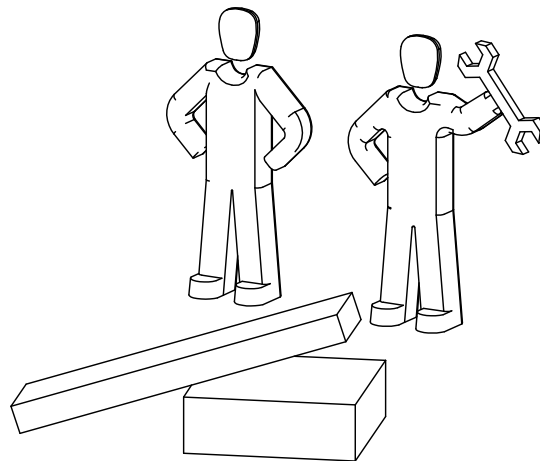
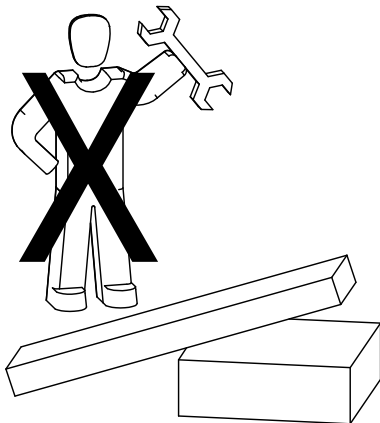
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## Warranty

### Warranty Information for your Continuum Quilting Frame

The Continuum Quilting Frame has a One-Year limited warranty on all parts. The Grace Company will repair or replace, at its discretion, any part with problems due to our manufacturing or defects in materials. This warranty does not cover parts damaged through misuse, improper storage, improper assembly, loss, natural events, and willful destruction. Parts must be returned to the Grace Company, shipping prepaid, before we can repair or replace them. We will promptly return the repaired/replaced part at our expense if done within a year of the purchase date.



1-800-264-0644

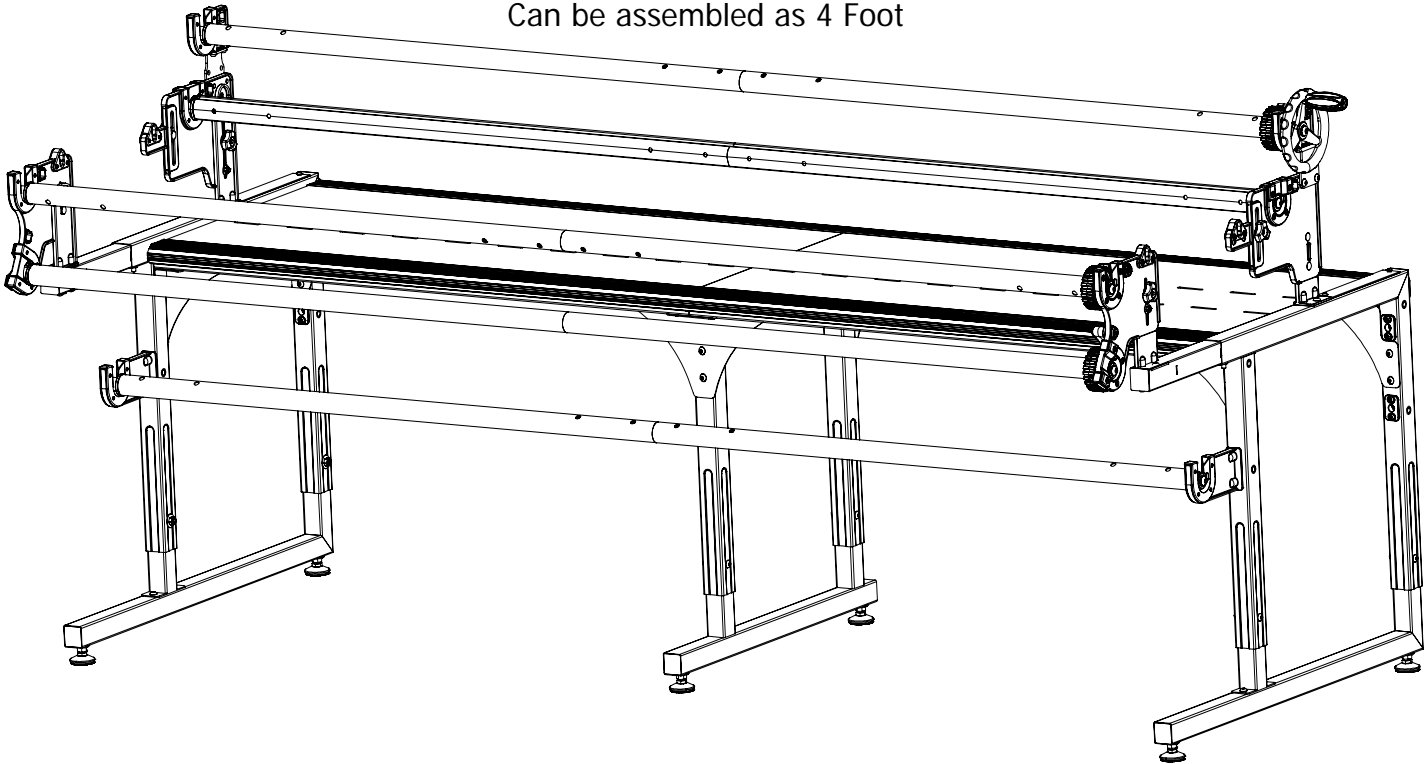
The *Grace*  
*Company*  
Fine Quilting Frames

# Continuum Frame Configurations

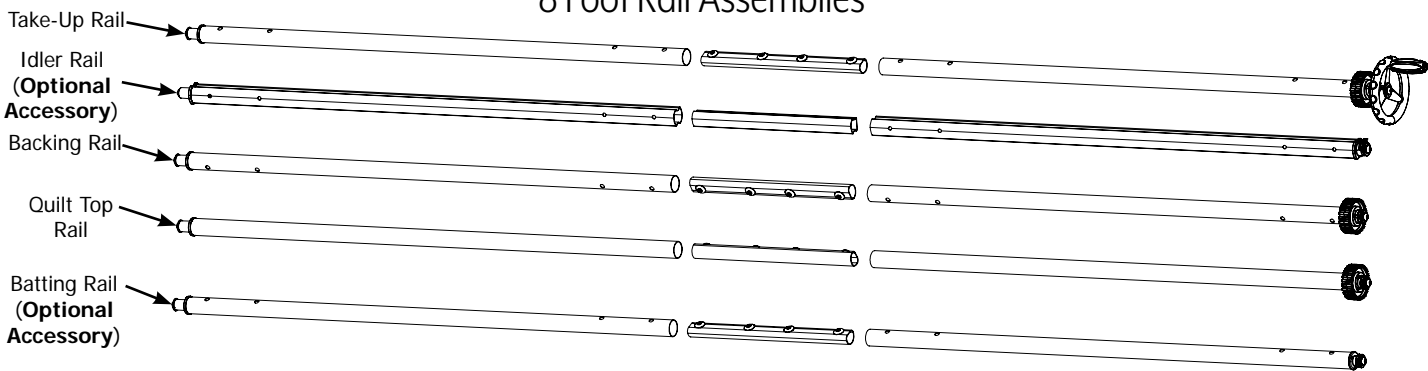
The Continuum Frame will come with parts to set it up as either an 8 foot or 10 foot frame depending on your purchase.

## 8 Foot Frame with Accessories

Can be assembled as 4 Foot



### 8 Foot Rail Assemblies

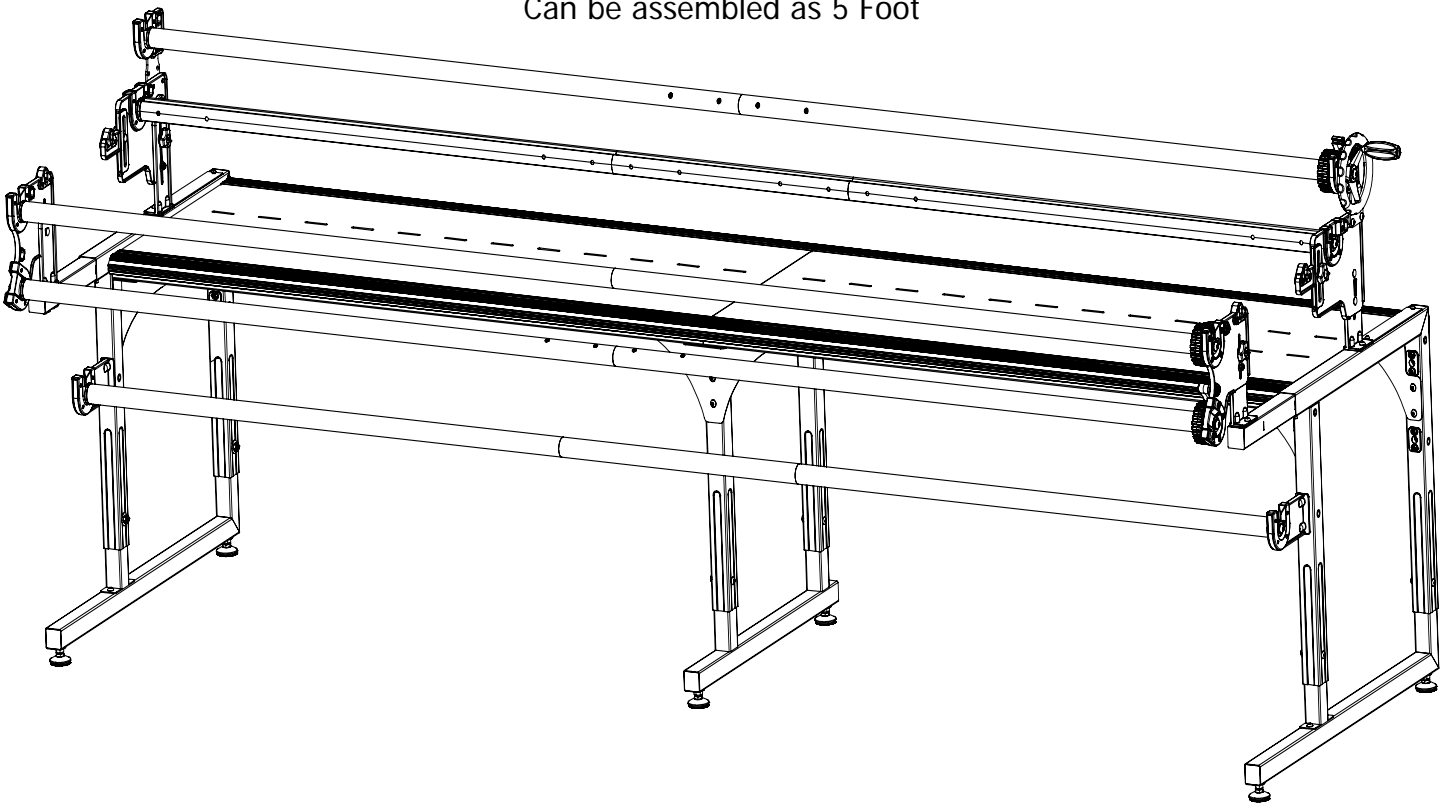


### 8 Foot Track Support Assembly



Continuum Frame Configurations

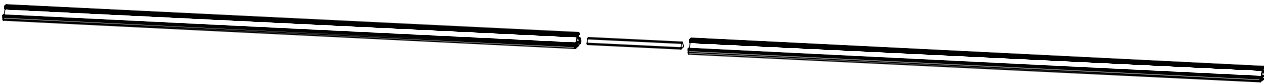
10 Foot Frame with Accessories  
Can be assembled as 5 Foot



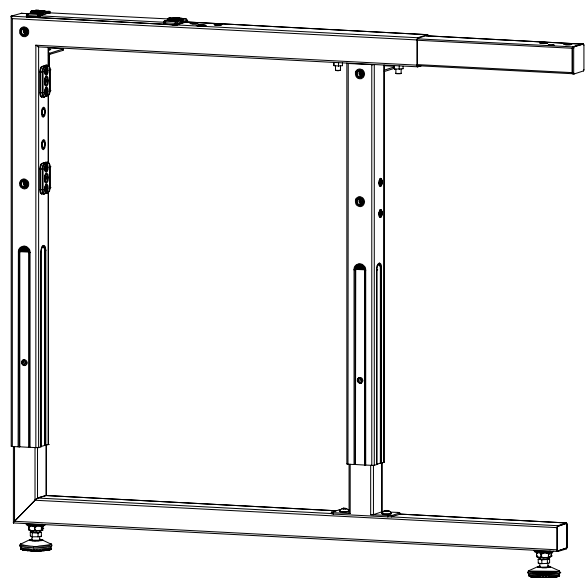
10 Foot Rail Assemblies



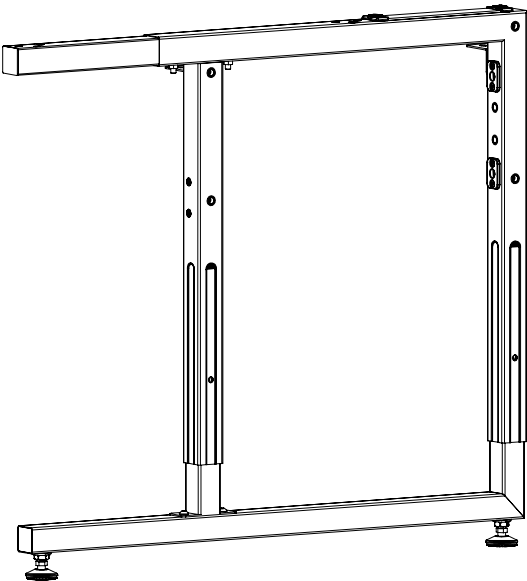
10 Foot Track Support Assembly



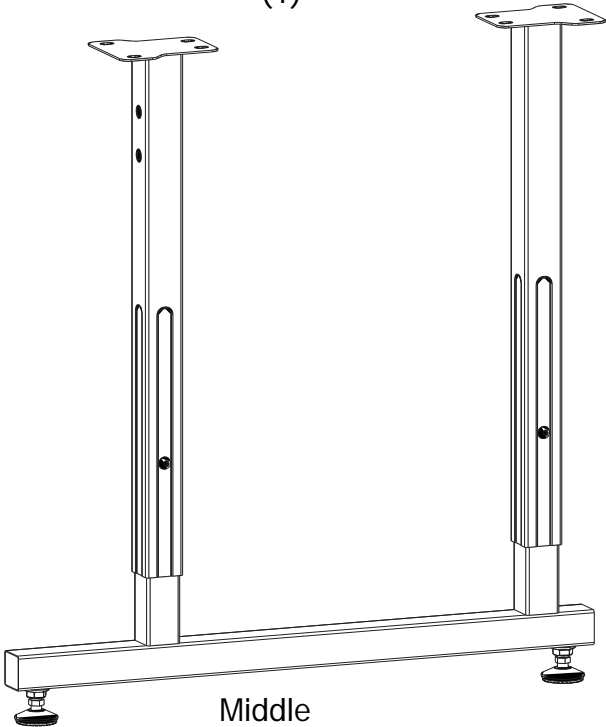
Parts List Box 1 Continuum Frame



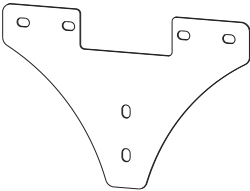
Left Leg  
(1)



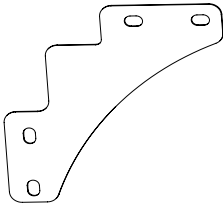
Right Leg  
(1)



Middle  
Leg  
(1)



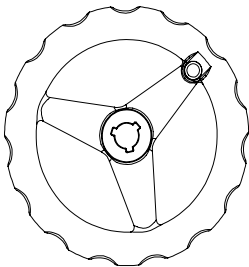
Middle Leg  
Brace  
(2)



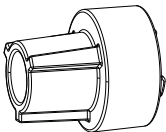
Corner Brace  
(4)



Hand Wheel  
Knob (1)



Hand Wheel  
(1)



Hand Wheel Collar  
Pre-installed (1)

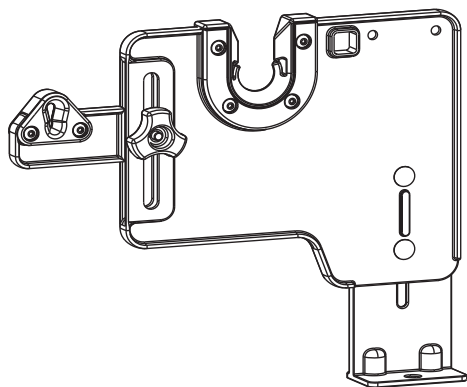
**Parts List Box 1 Continued** Continuum Frame



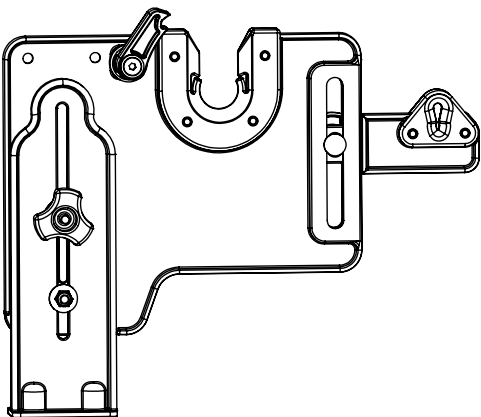
Bungee  
Clamp  
(4)



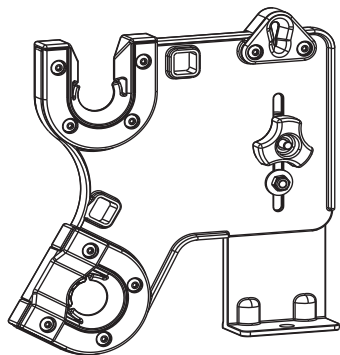
Track  
Support  
Connector  
(2)



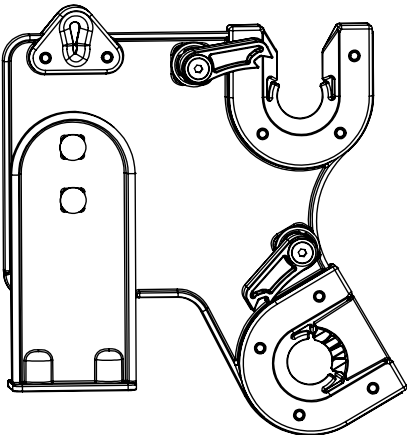
Non-Ratchet  
Back Rail  
Support  
(1)



Ratchet Back  
Rail Support  
(1)

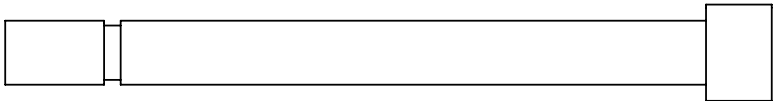


Non-Ratchet  
Front Rail  
Support  
(1)

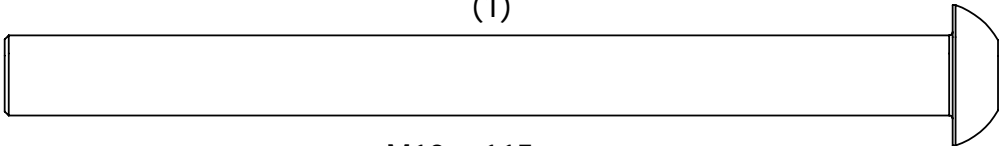


Ratchet  
Front Rail  
Support  
(1)

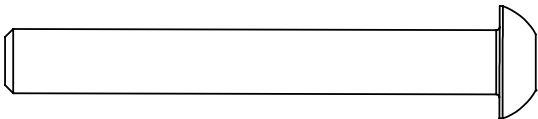
Parts List Box 1 Continued Continuum Frame



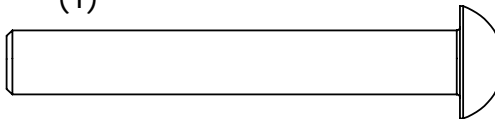
Hand Wheel  
Shoulder Bolt  
(1)



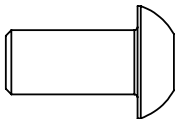
M10 x 115mm  
SBHCS  
(1)



M8 x 60mm  
SBHCS  
(4)



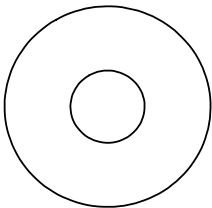
M8 x 55mm  
SBHCS  
(4)



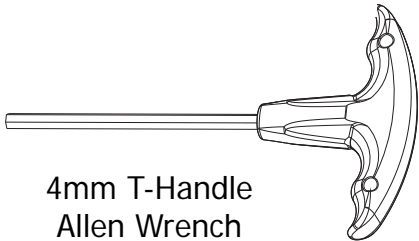
M8 x 16mm  
SBHCS  
(46)



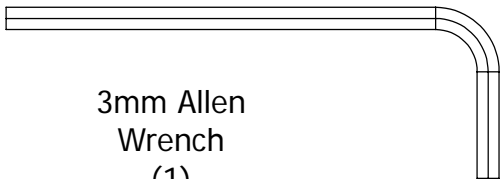
M6 x 6mm  
Set Screw  
(8)



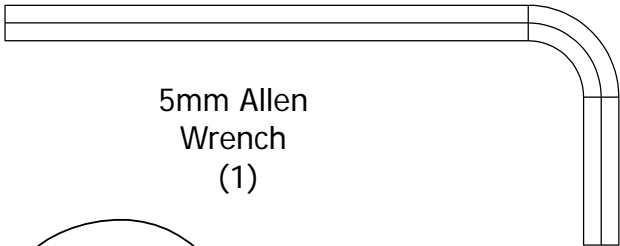
Flat Washer  
(8)



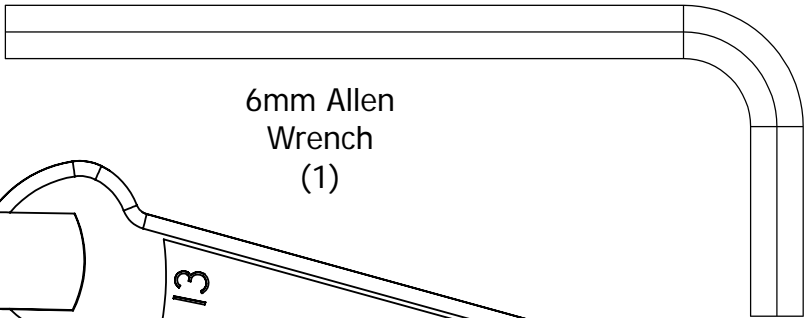
4mm T-Handle  
Allen Wrench  
(1)



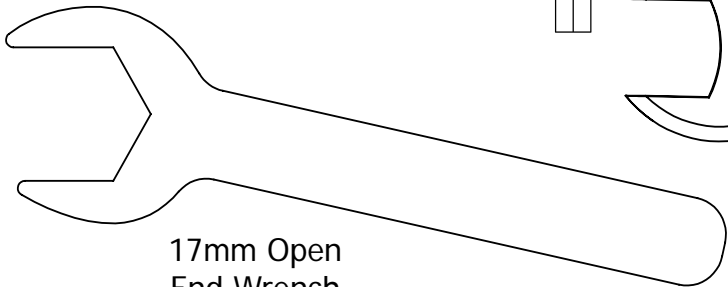
3mm Allen  
Wrench  
(1)



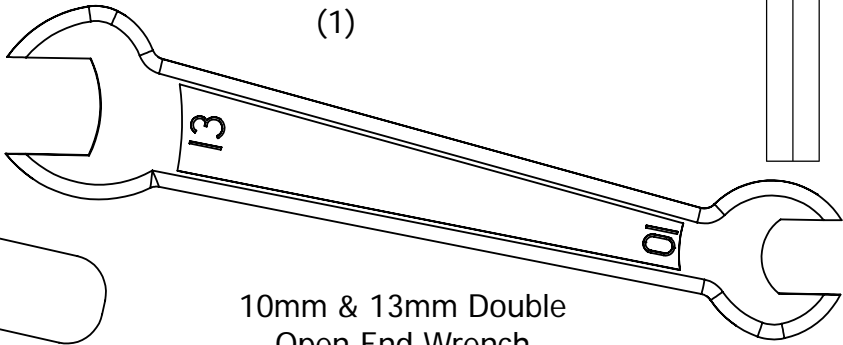
5mm Allen  
Wrench  
(1)



6mm Allen  
Wrench  
(1)



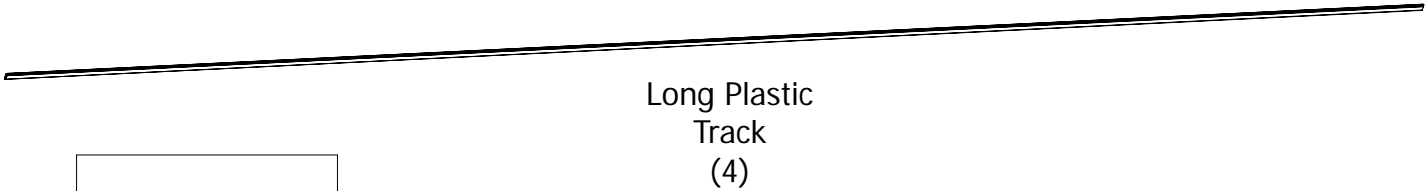
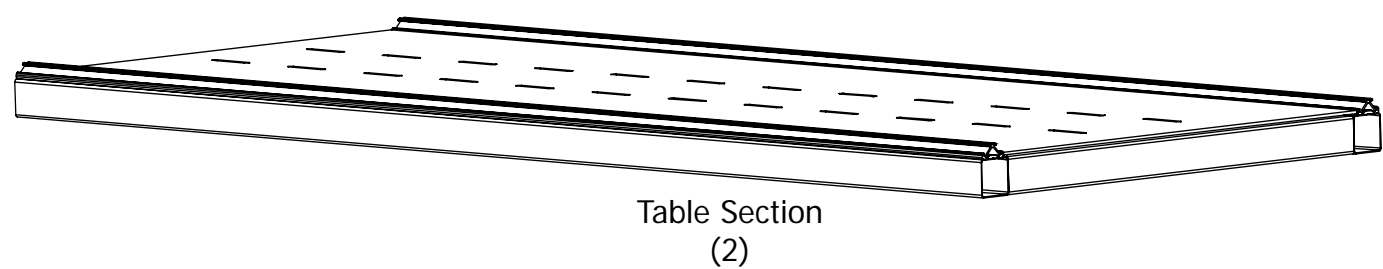
17mm Open  
End Wrench  
(1)



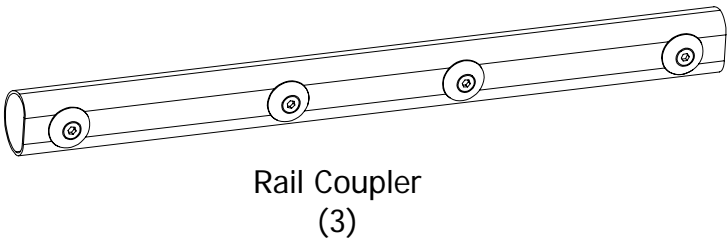
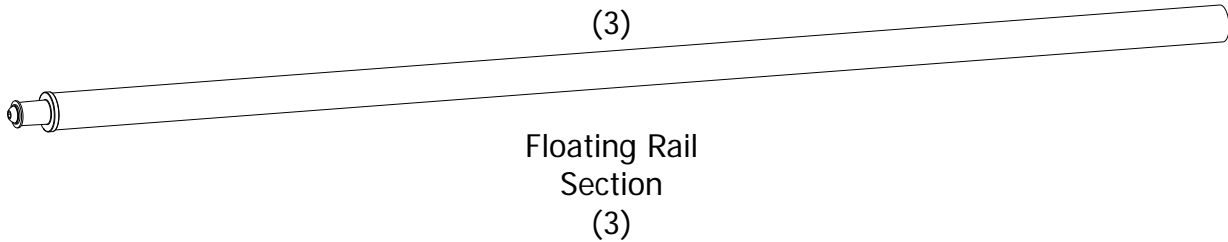
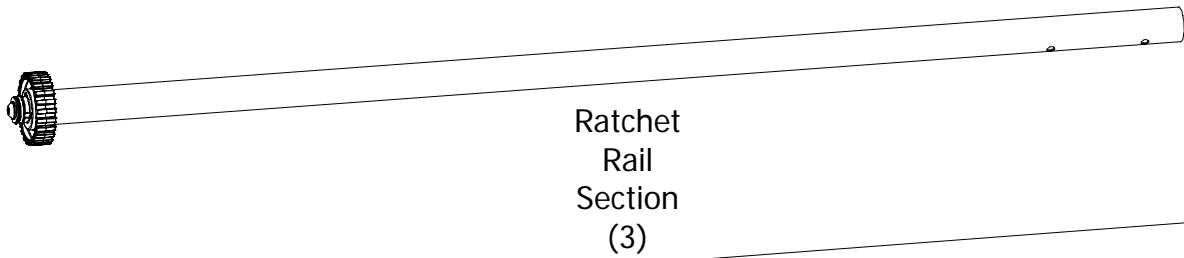
10mm & 13mm Double  
Open End Wrench  
(1)



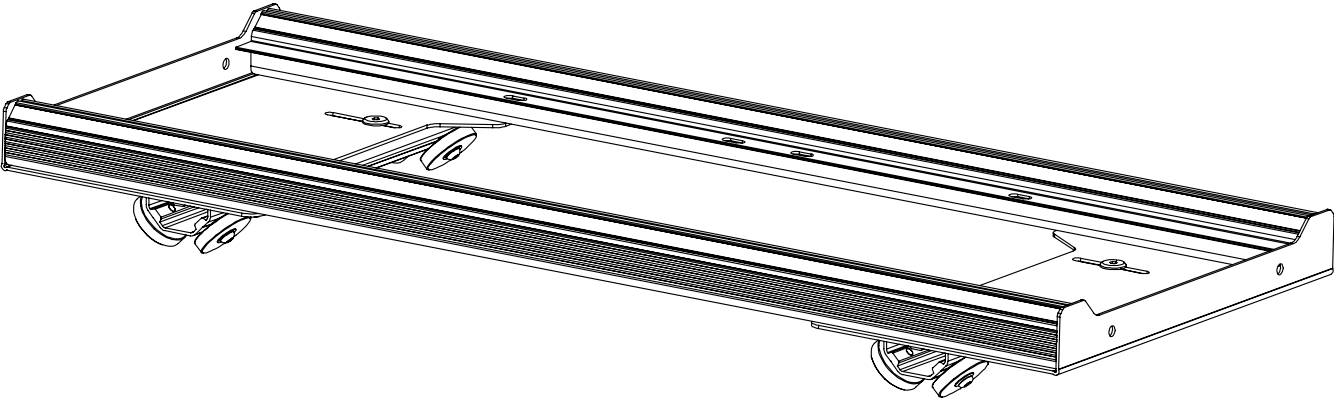
**Parts List Box 2 (4 Foot) or Box 2 (5 Foot) Continuum Frame**



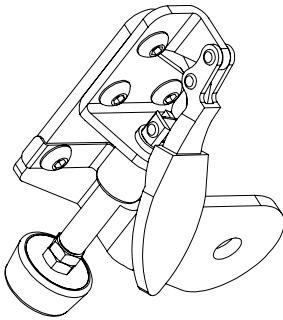
**Parts List Box 3 (4 Foot) or Box 3 (5 Foot) Continuum Frame**



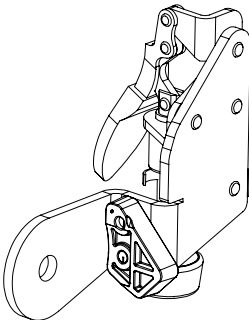
Parts List Box 4 Continuum Frame



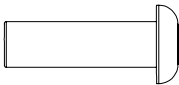
Carriage  
(1)



Carriage  
Channel Lock  
(1)



Sewing Machine Channel  
Lock with Spacer  
(1)

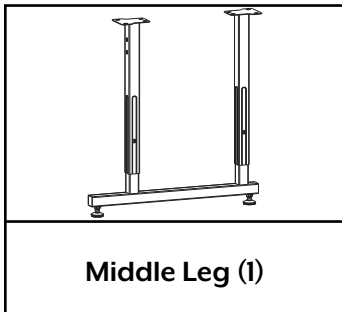
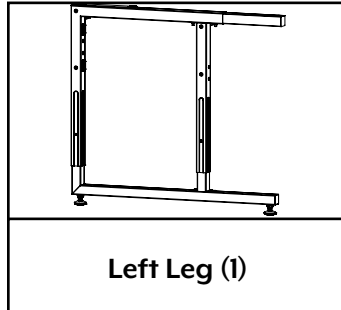
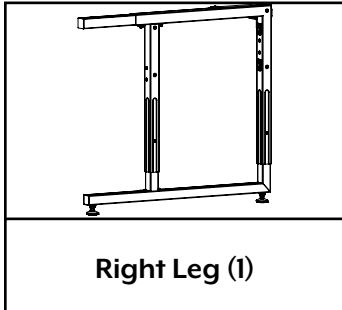


M6 x 20mm  
SBHCS  
(2)

# Frame End Assembly

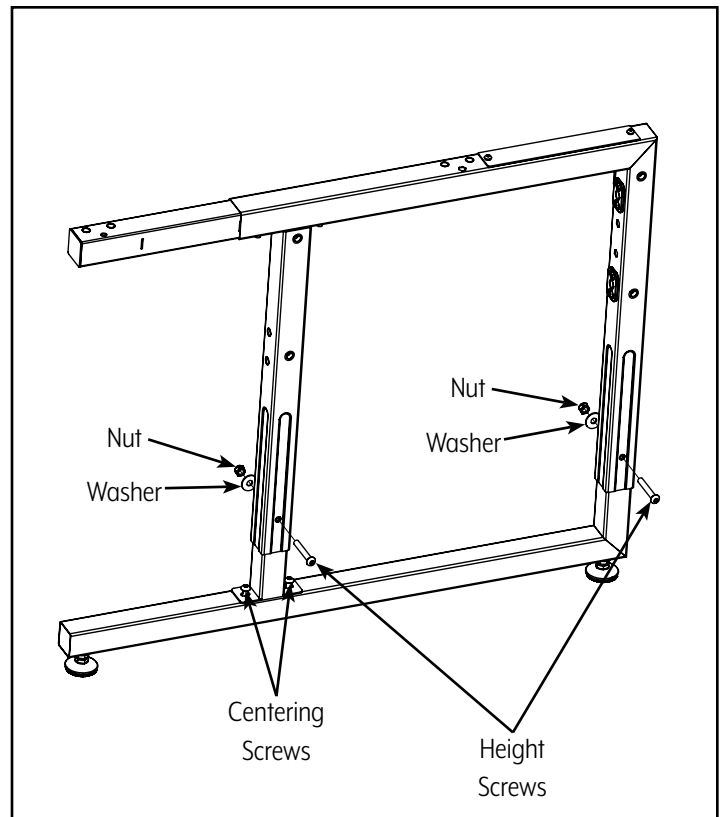
## Step 1 - Table Height Setup

Parts Needed:



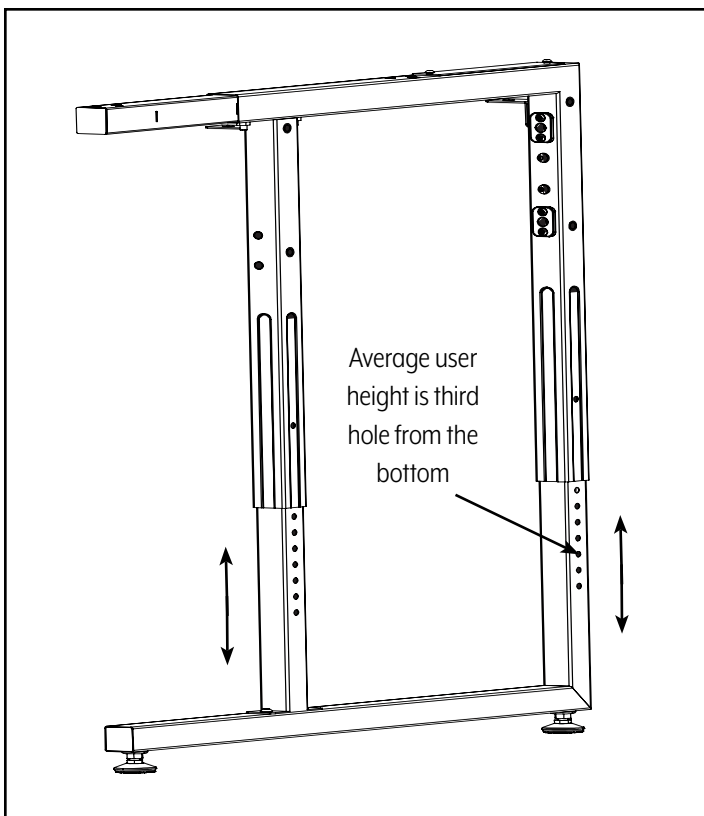
Tools Needed:

5mm Allen Wrench  
10mm & 13mm Double  
Open End Wrench

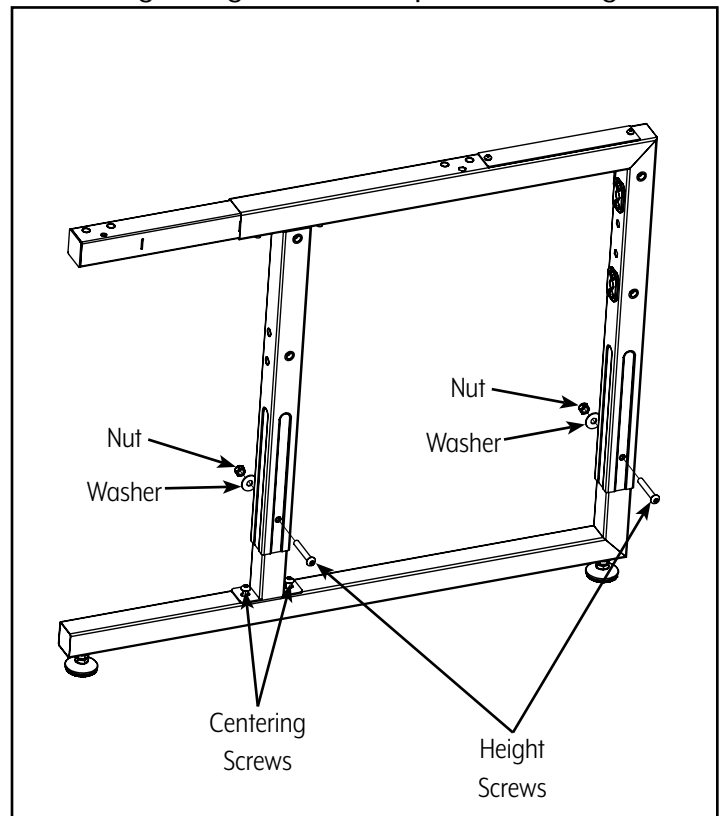


1-1 Remove height screws and loosen centering screws.

**Note:** Right Leg Shown. Repeat for all legs.



1-2 Adjust table height by sliding legs up or down.



1-3 Replace each height screw and tighten each centering screw.

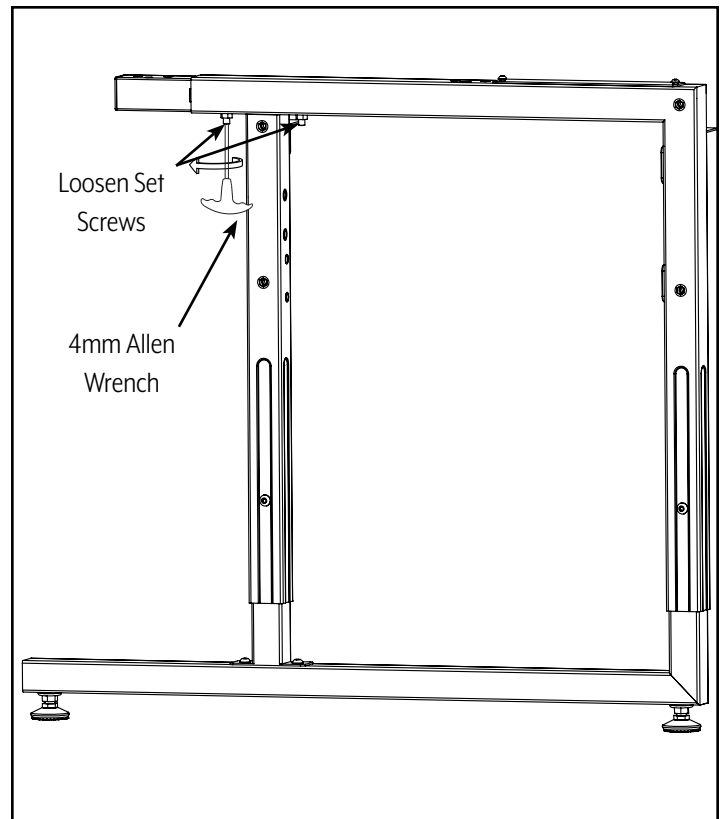
**Note:** Repeat for all legs.

## Frame End Assembly

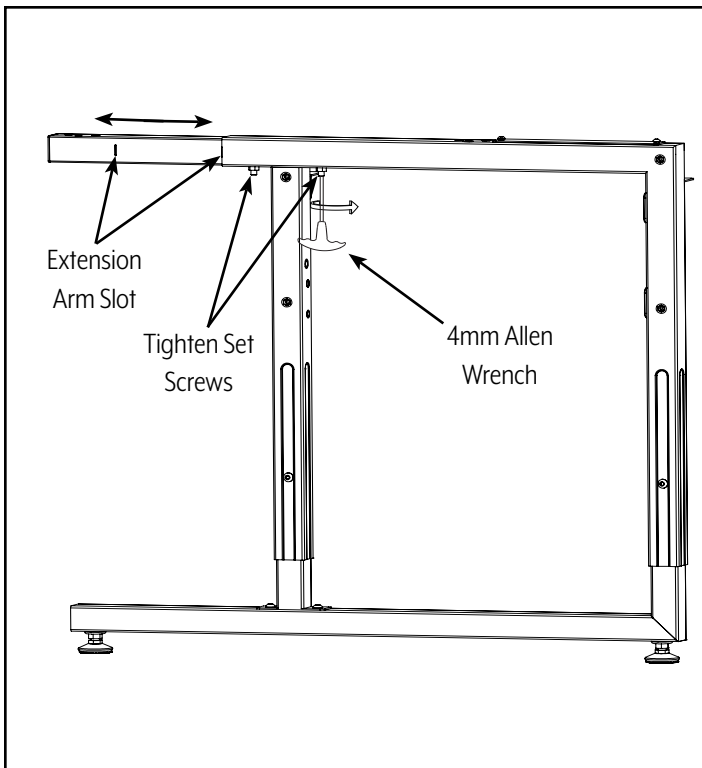
### Step 2 - Extension Arm Adjustment

Tools Needed:

4mm Allen Wrench



2-1 Loosen set screws.



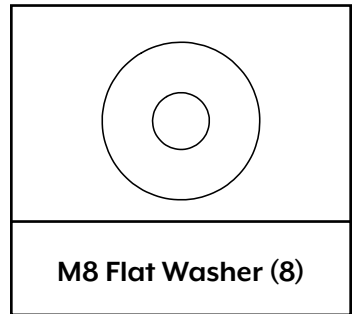
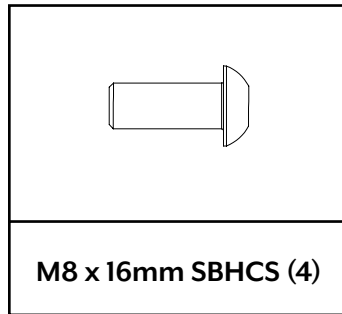
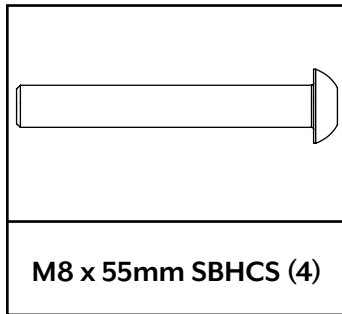
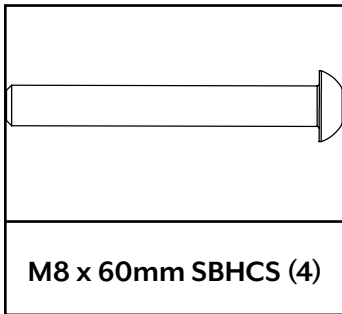
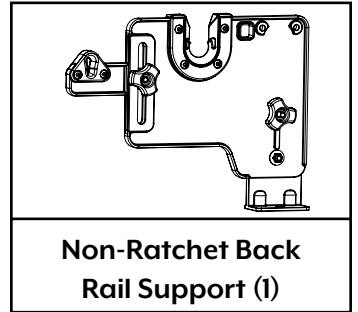
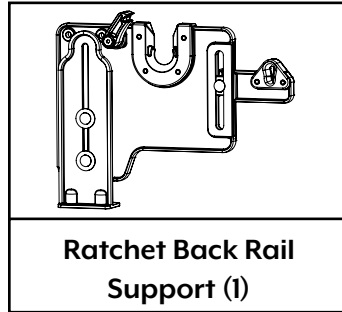
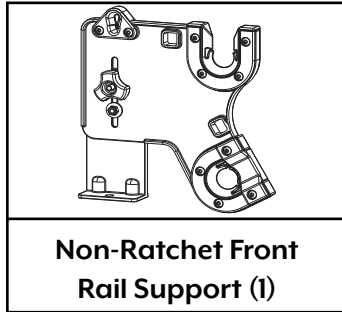
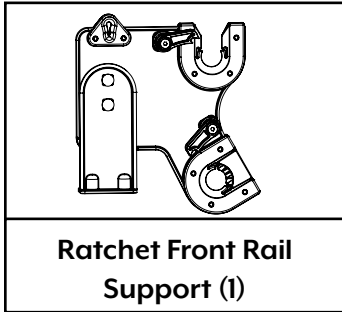
2-2 Extend to the first slot for machines with throat less than 16".

Extend to the second slot for machines with throat greater than 16".

## Frame End Assembly

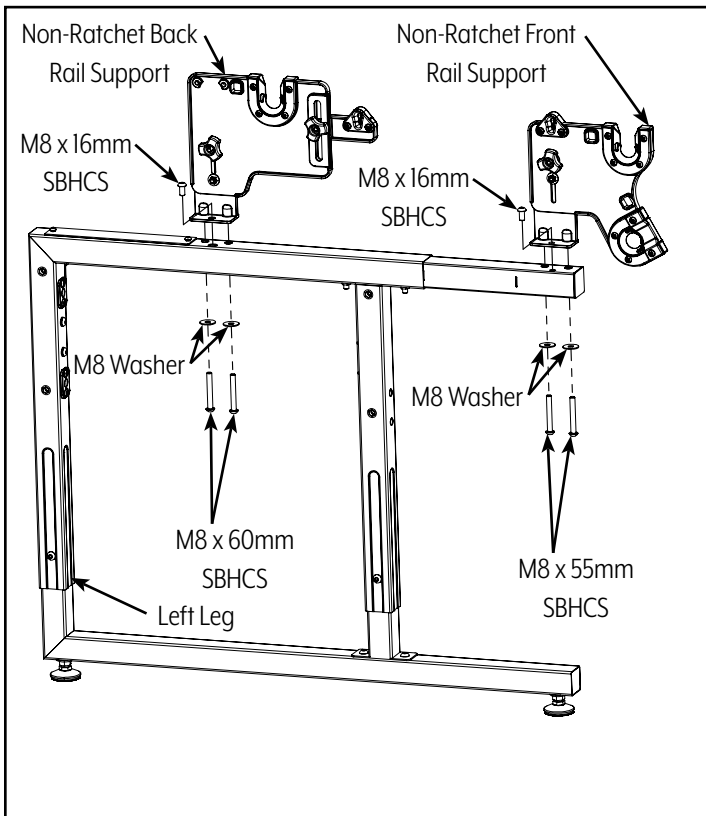
### Step 3 - Rail Support Installation

Parts Needed:

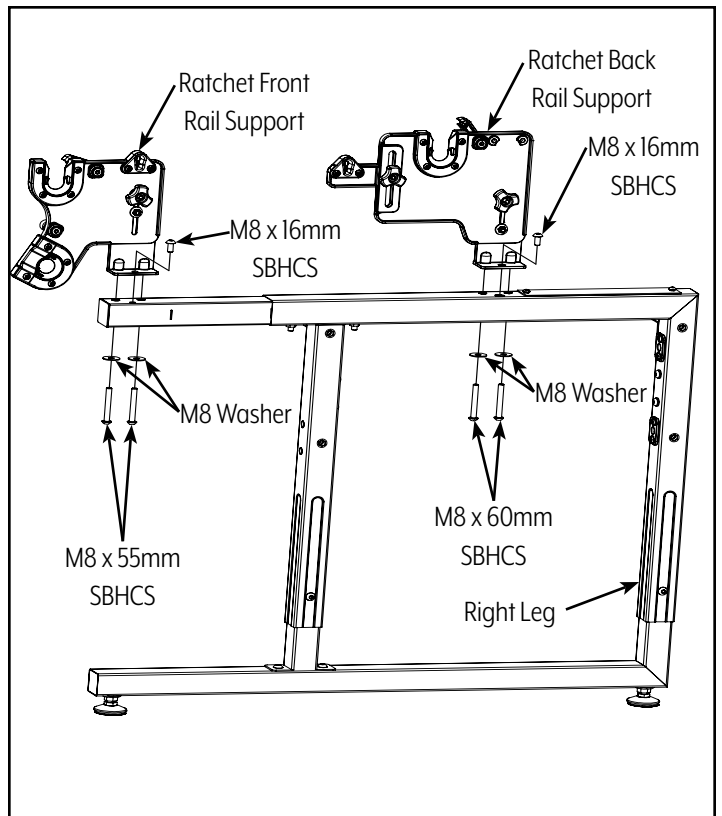


Tools Needed:

**5mm Allen Wrench**



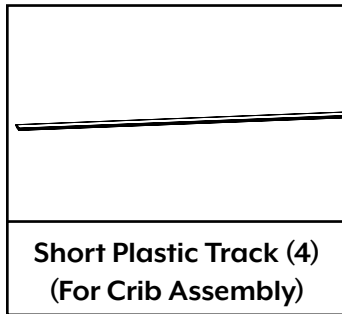
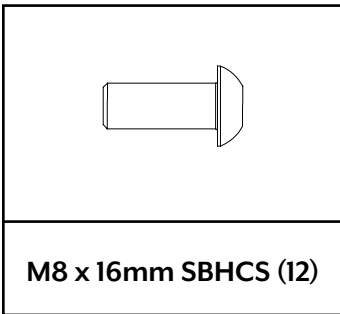
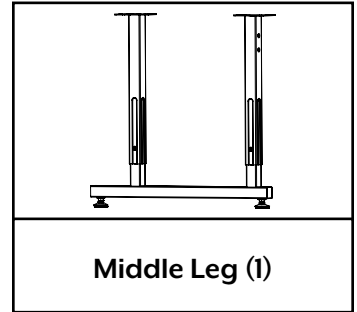
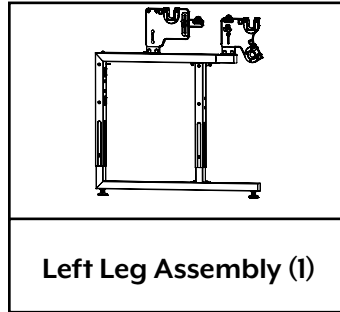
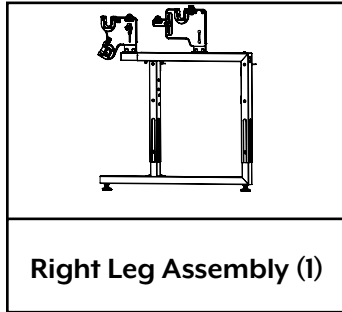
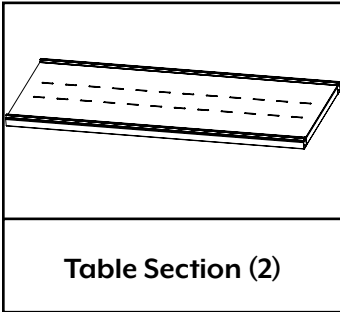
3-1 Attach Non-ratchet Front Rail Support and Non-ratchet Back Rail Support to the Left Leg.



3-2 Attach Ratchet Front Rail Support and Ratchet Back Rail Support to the Right Leg.

## Table Sections and Rail Assembly

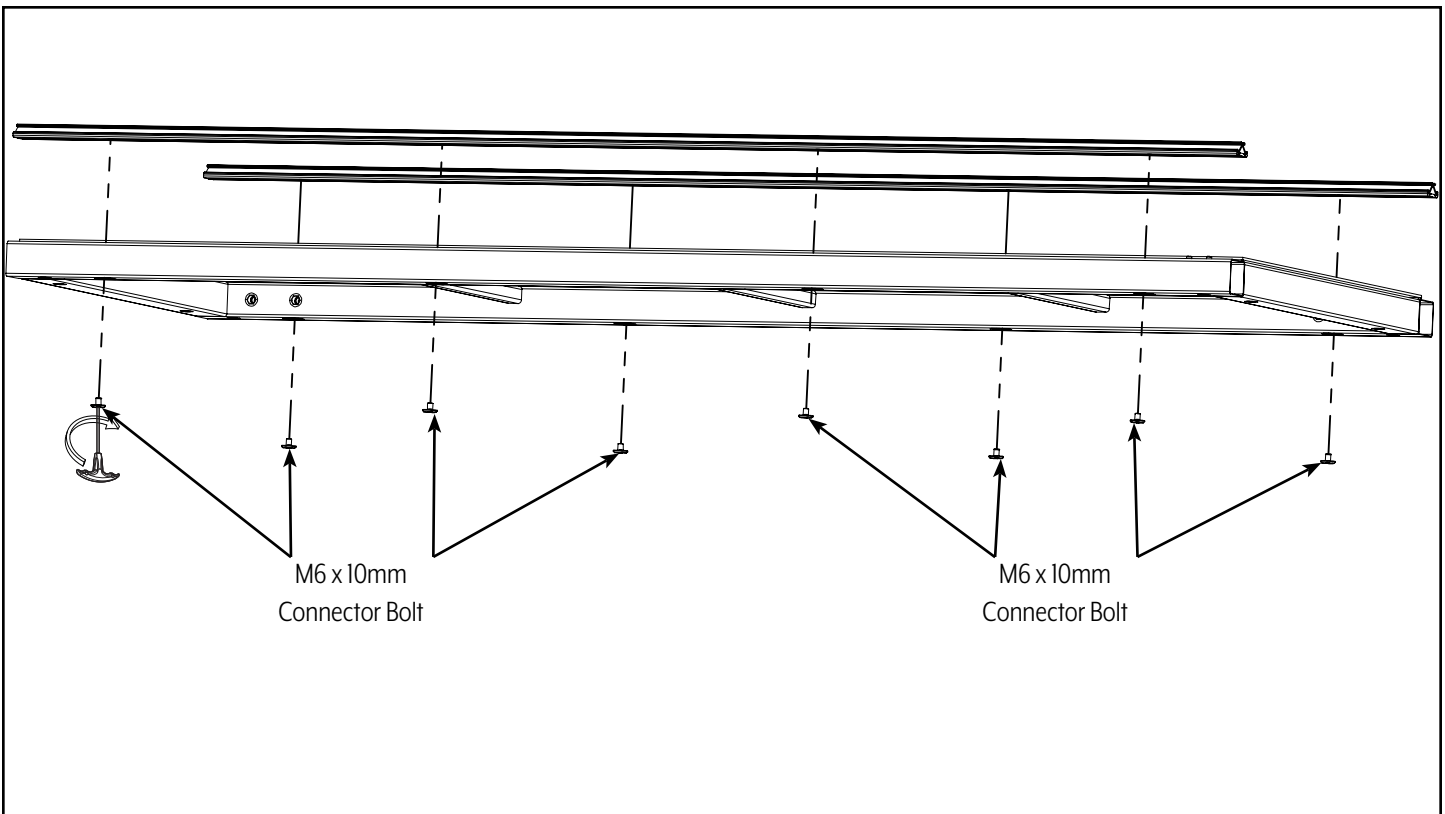
### Step 4 - Table Setup



Tools Needed:

4mm T-Handle Allen Wrench

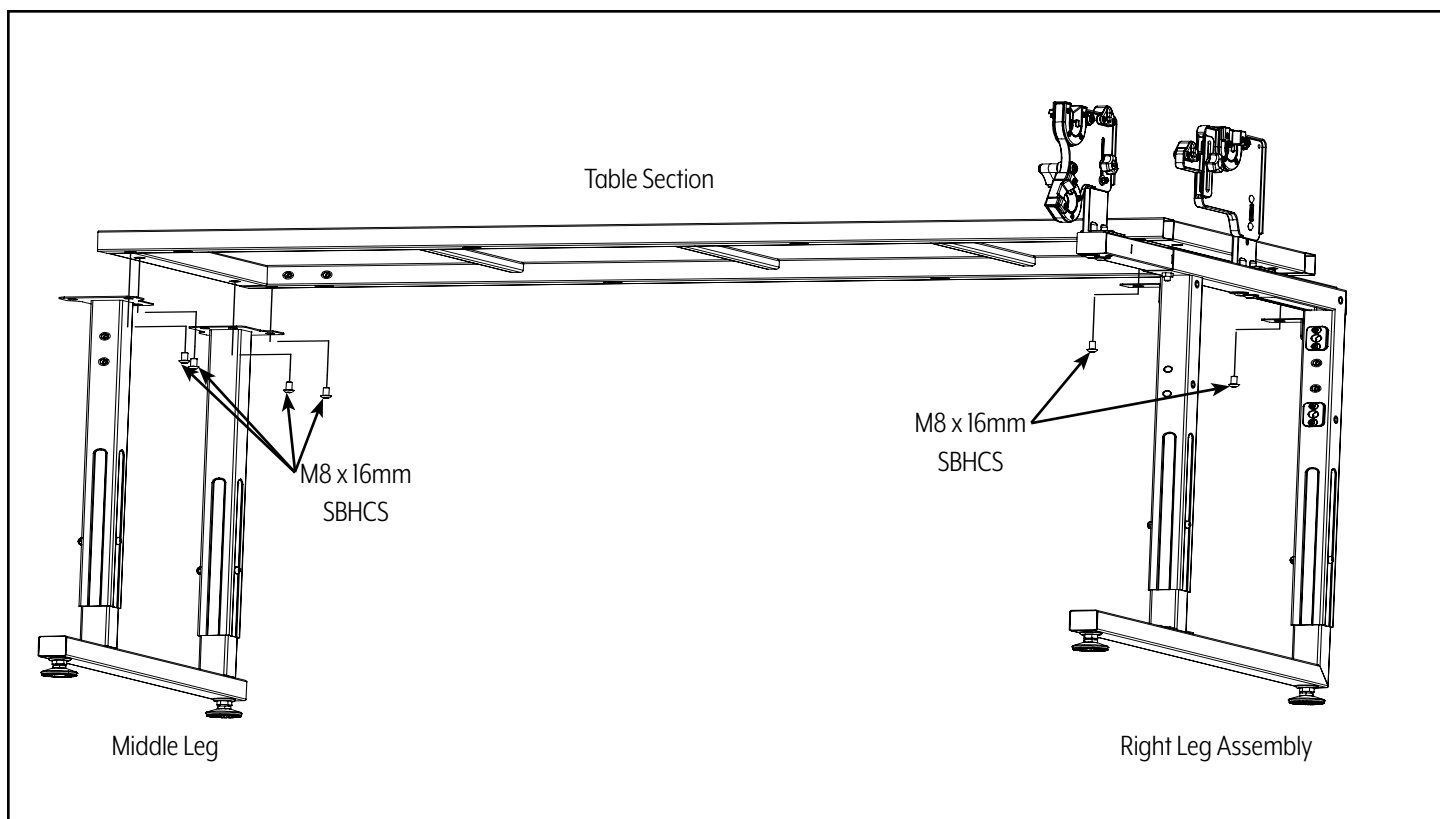
5mm Allen Wrench



4-1 Remove the Track Supports for 8 foot and 10 foot configurations.

**Note:** Skip step 4 for crib assembly and use (4) Short Plastic Tracks.

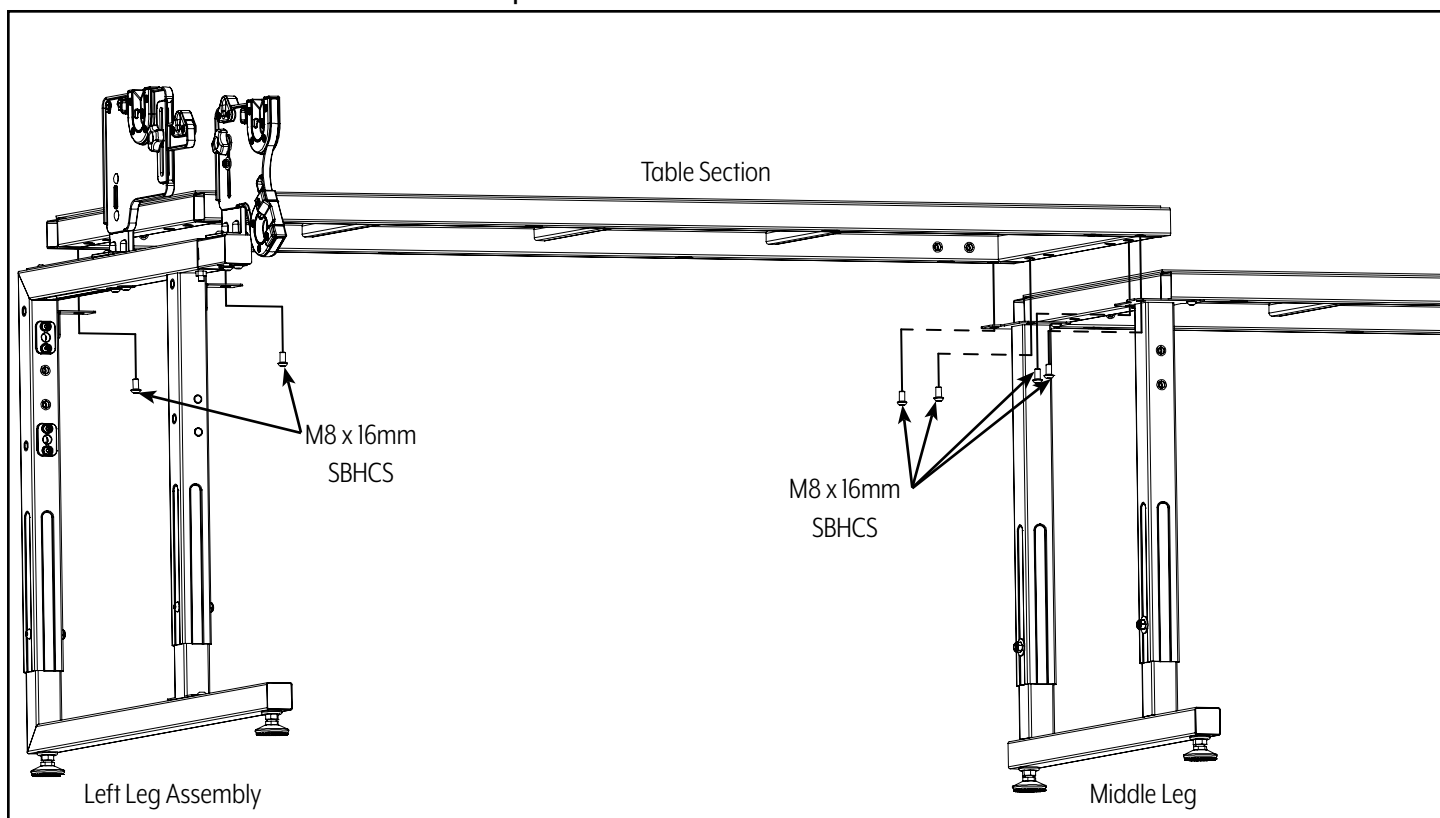
## Table Sections and Rail Assembly



4-2 Install Table Section to the Right Leg Assembly and the Middle Leg.

**Note:** Press table against Right Leg Assembly.

**Note:** Leave all bolts loose until step 6.



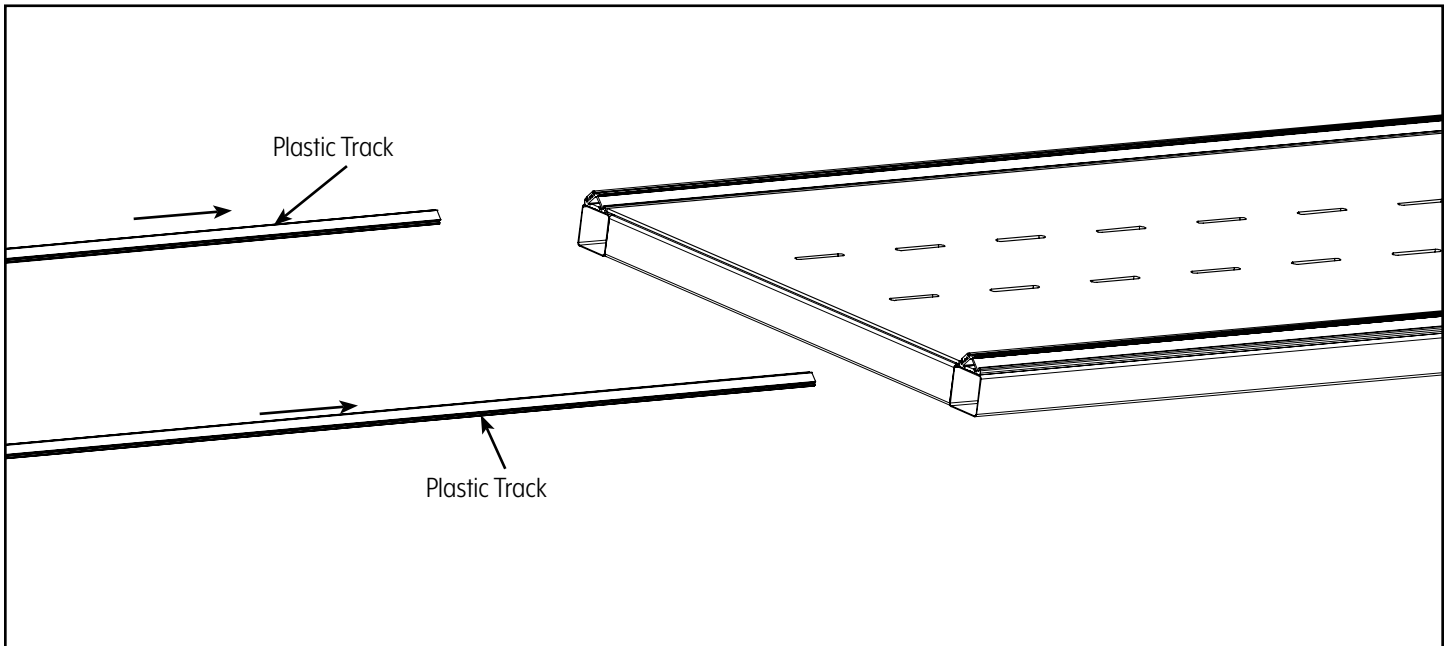
4-3 Install Table Section to the Left Leg Assembly and the Middle Leg.

**Note:** Press table against Left Leg Assembly.

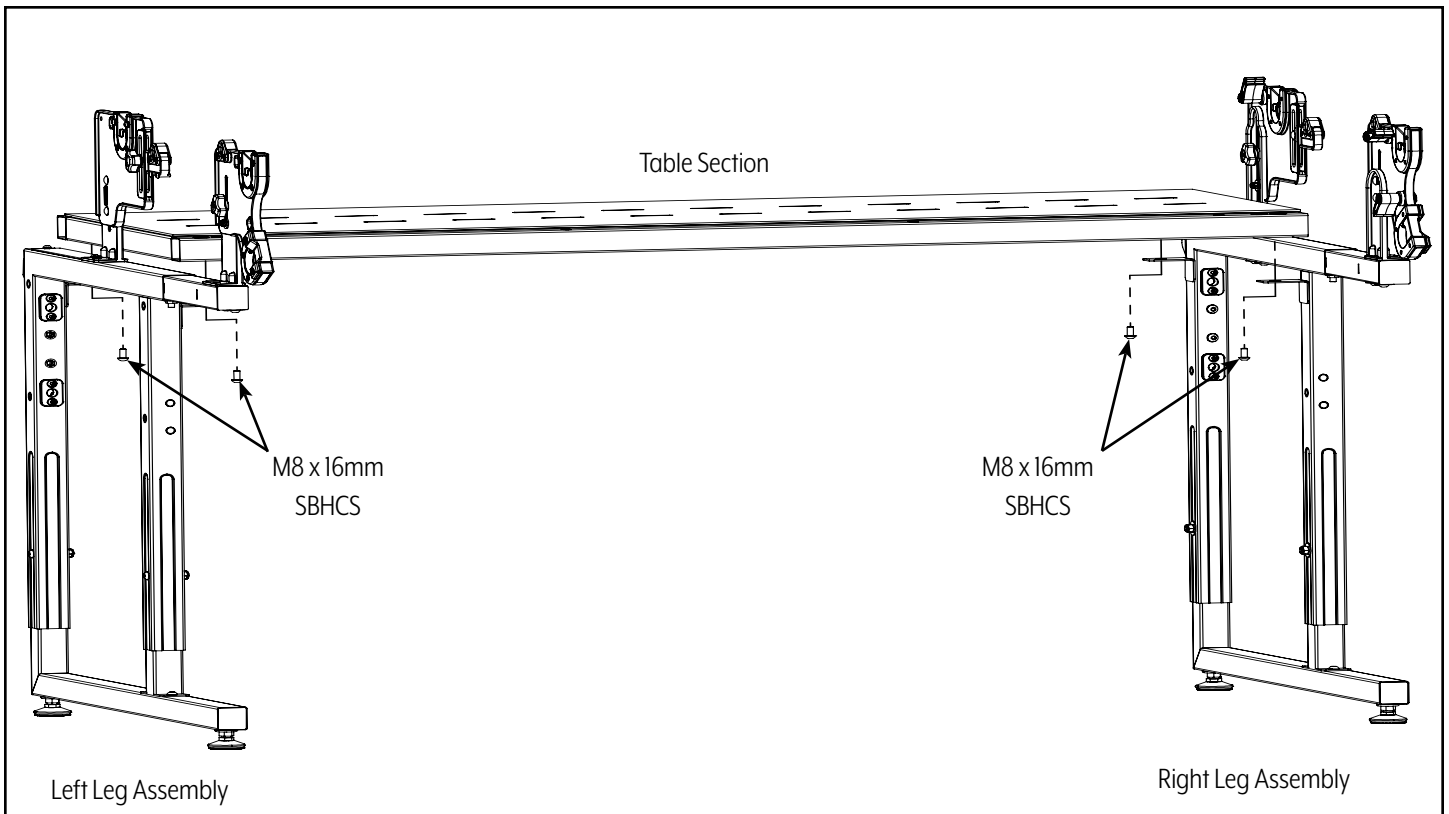
## Table Sections and Rail Assembly

**Skip all Crib Assembly steps for King Setup Assemblies.**

### Step 4 - Table Setup - Crib Assembly



4-1a Install the Short Plastic Track into the Track Support Assembly.



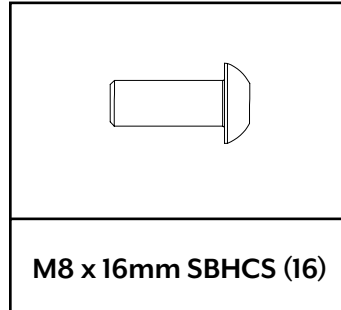
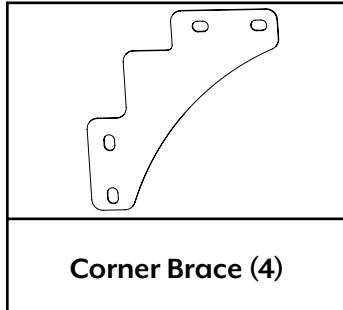
4-2a Install Table Section to the Right Leg Assembly and the Left Leg Assembly.



## Table Sections and Rail Assembly

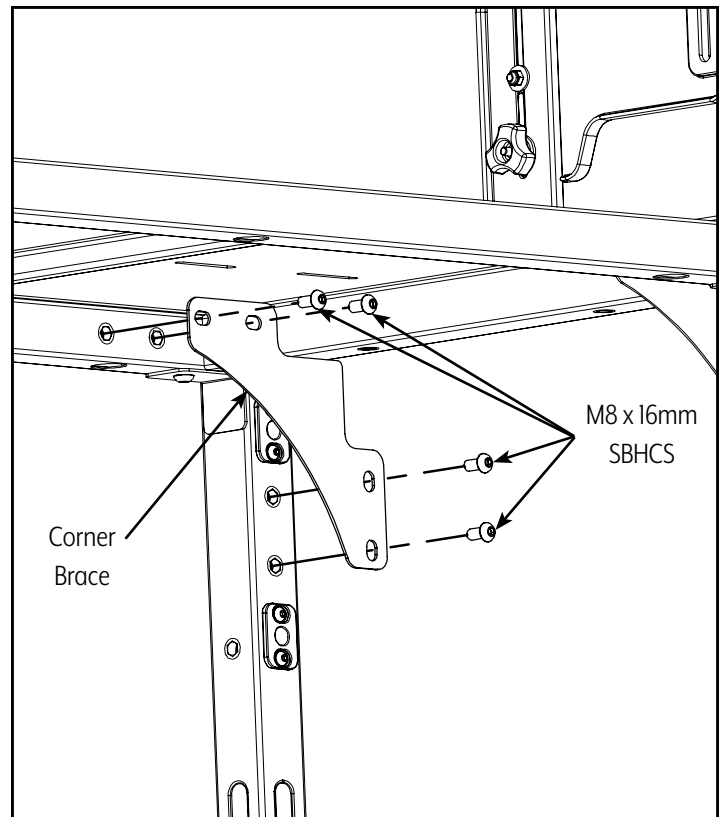
### Step 5 - Corner Brace Installation

Parts Needed:



Tools Needed:

5mm Allen Wrench

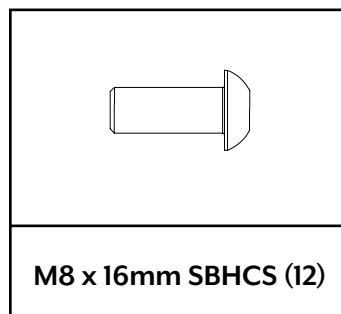
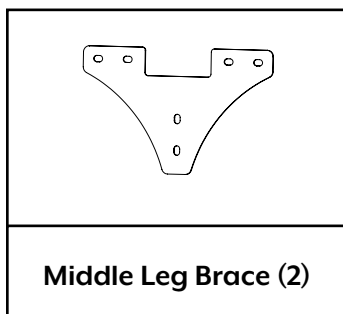


5-1 Install each Corner Brace with (4) M8 x 16mm SBHCS.

Note: Repeat for all (4) corners.

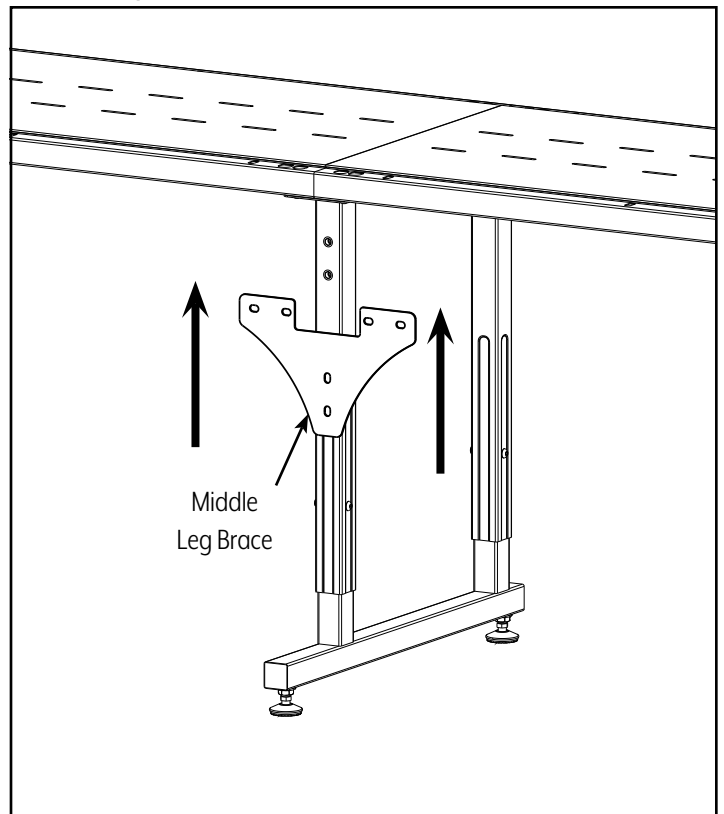
### Step 6 - Middle Leg Brace Installation

Parts Needed:



Tools Needed:

5mm Allen Wrench

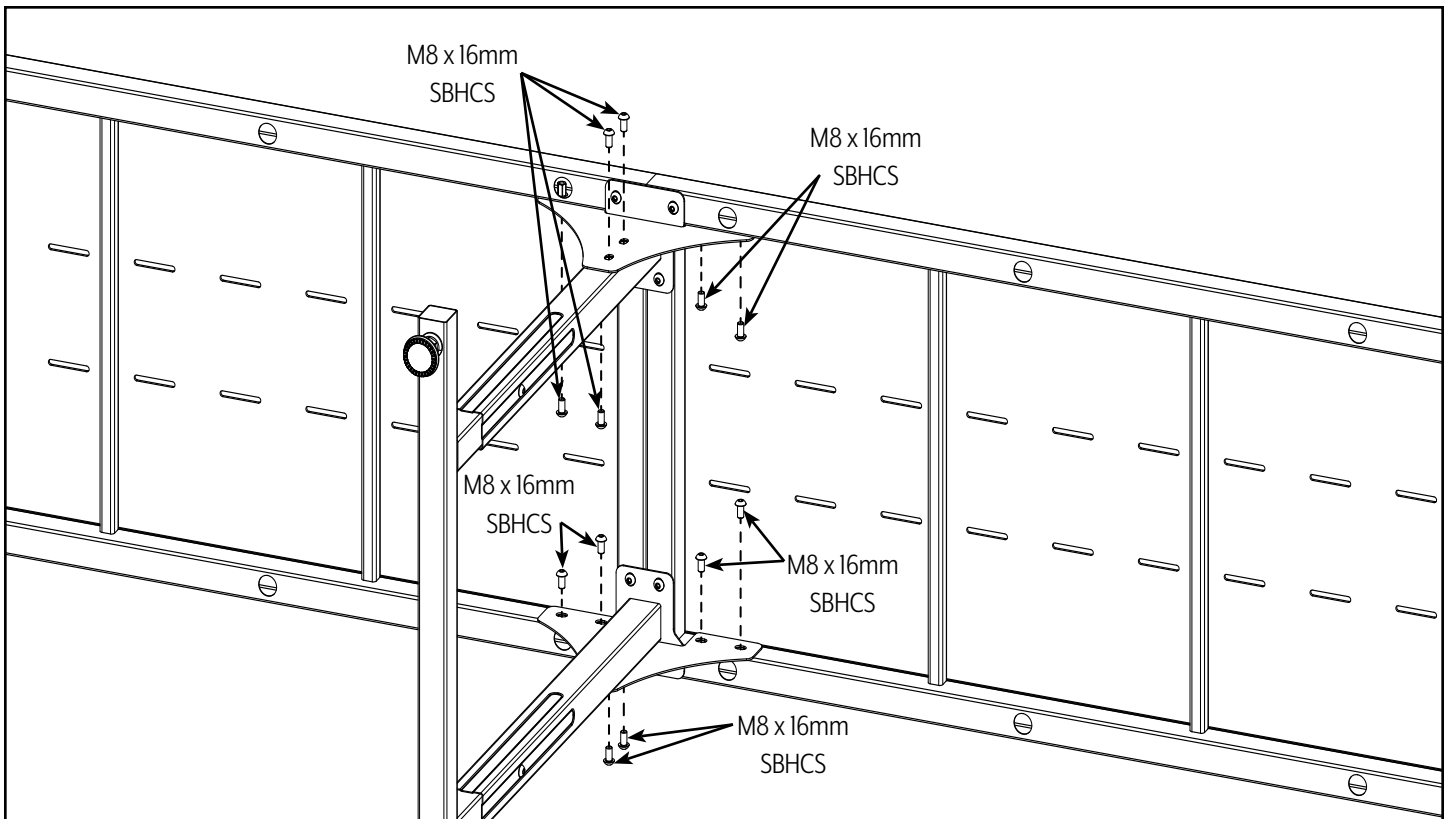


6-1 Place (2) Middle Leg Brace into Position.

Note: Repeat for opposite side.

Note: Skip step 6 for Crib Assembly.

## Table Sections and Rail Assembly

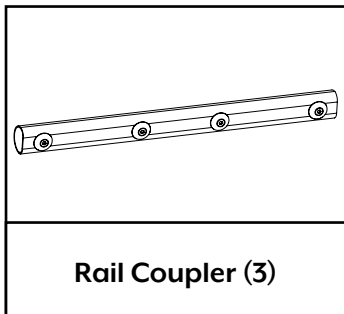
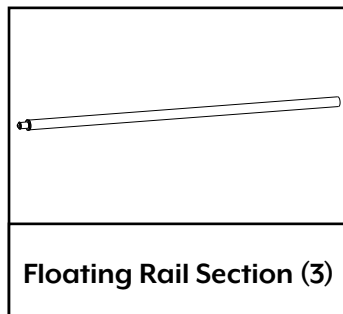
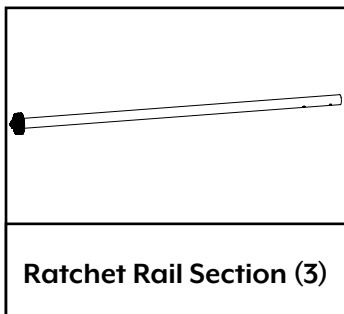


6-2 Install (12) M8 x 16mm SBHCS.

**Note:** Tighten all bolts at this time.

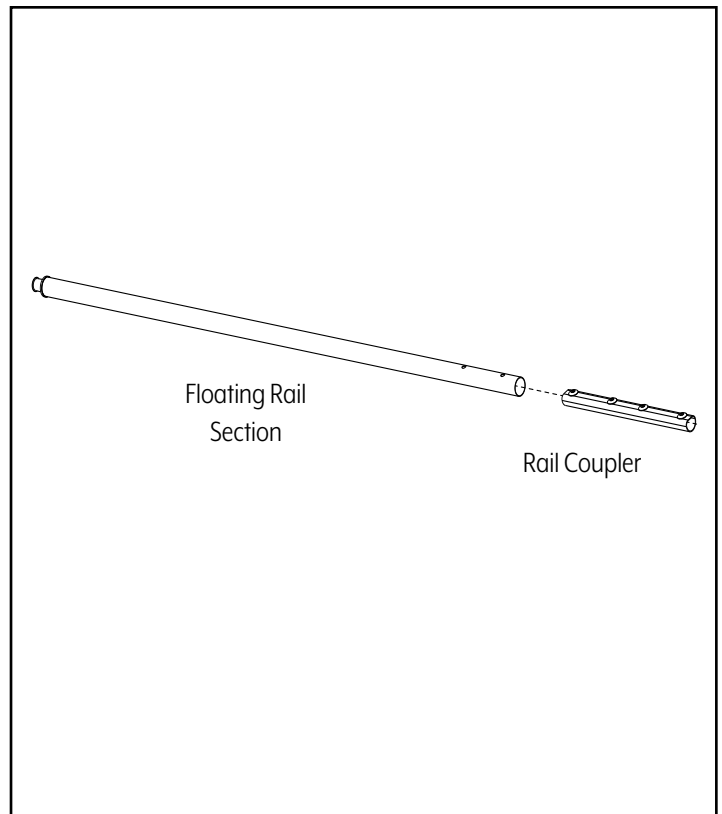
## Step 7 - Ratchet Rail Assembly

Parts Needed:



Tools Needed:

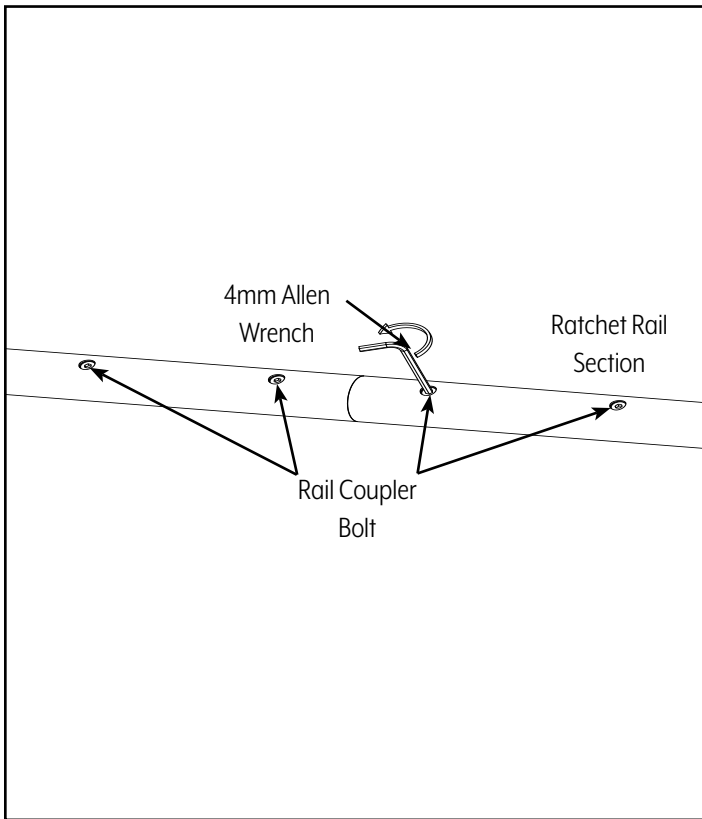
**4mm T-Handle  
Allen Wrench**



7-1 Slide Rail Coupler into Floating Rail Section and secure Rail Coupler by backing screws out.

**Note:** Skip steps 7-1 and 7-2 for crib assembly.

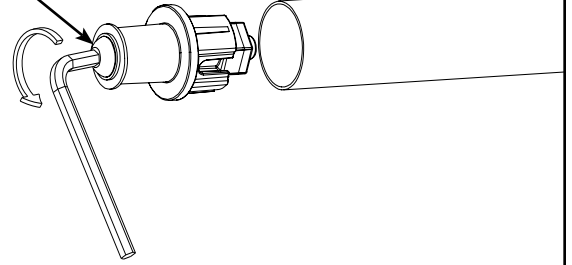
## Table Sections and Rail Assembly



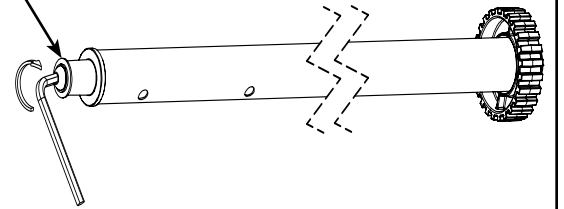
7-2 Slide Ratchet Rail Section onto Rail Coupler, tight against the Floating Rail Section, and secure rail by backing screws out.

## Crib Assembly

Loosen screw and remove end cap. Do not fully remove screw.



Insert end cap and tighten screw

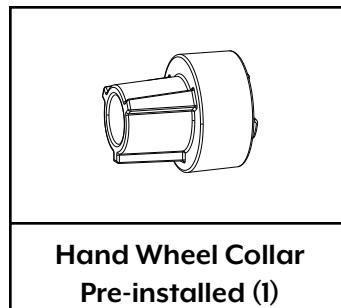
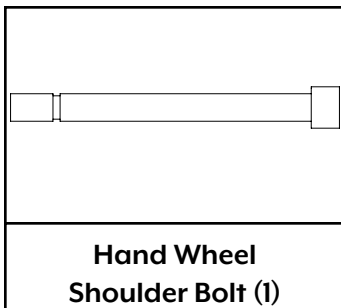
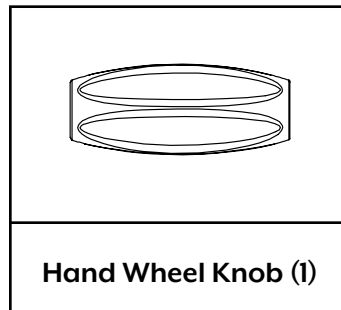
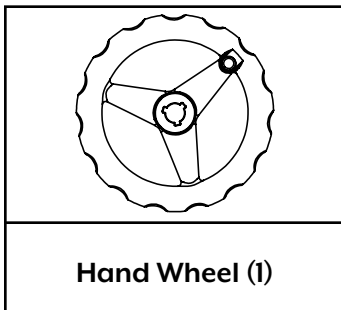


7-1a Remove Floating Rail Cap from the Floating Rail Section. Insert the Floating Rail Cap into the Ratchet Rail Section and tighten.

**Note:** Tap screw in to release the rail cap.

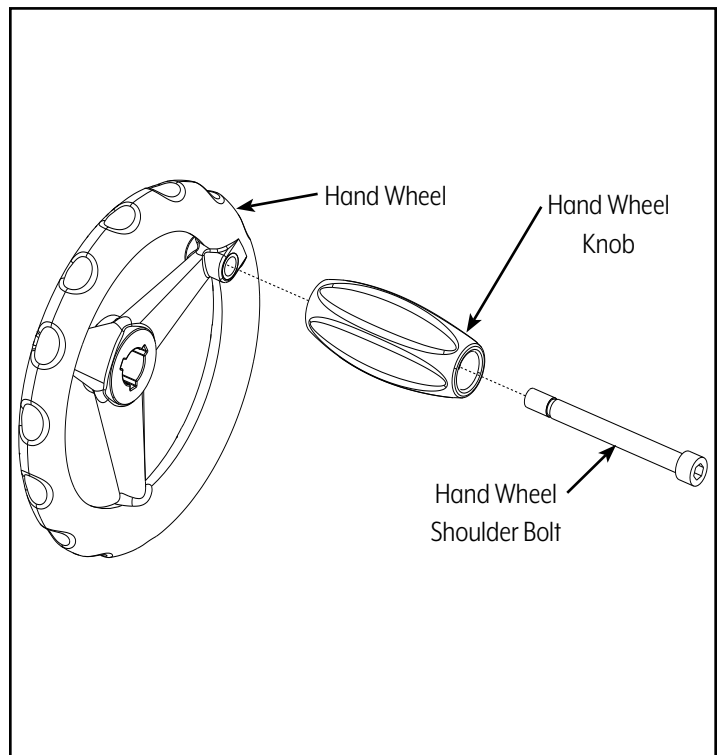
## Step 8 - Hand Wheel Assembly

Parts Needed:



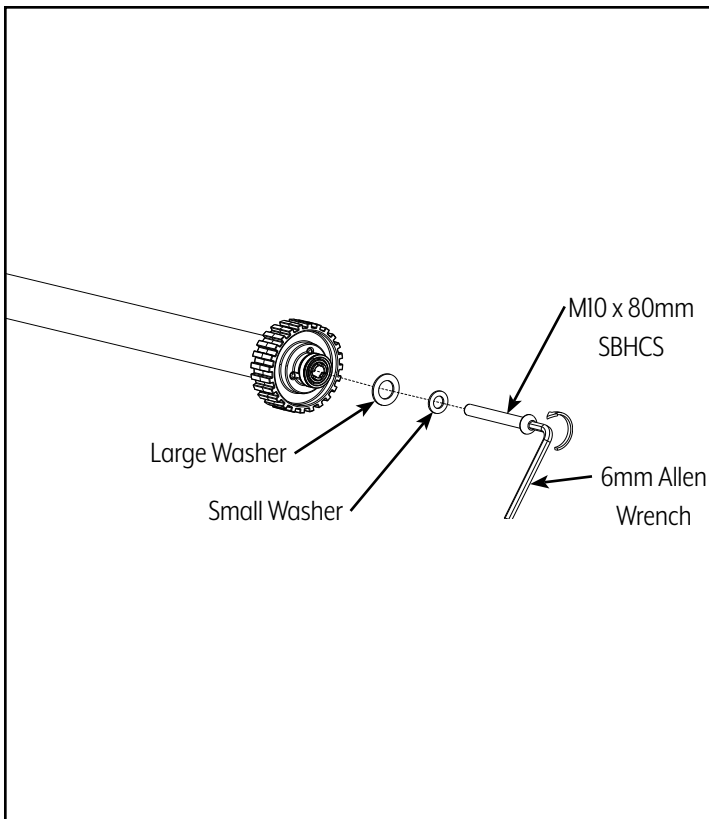
Tools Needed:

6mm Allen Wrench

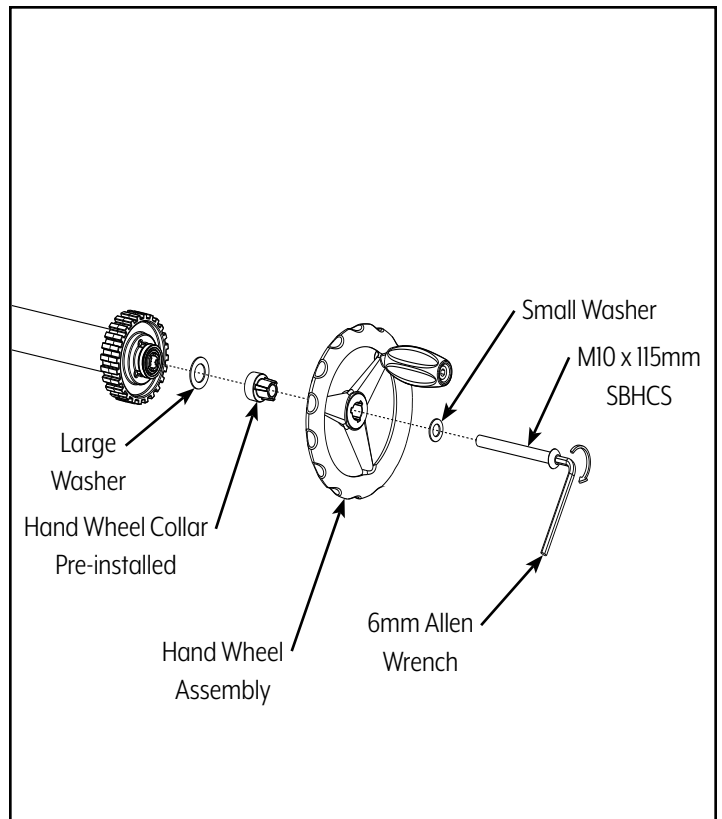


8-1 Assemble Hand Wheel Knob onto the Hand Wheel.

## Table Sections and Rail Assembly



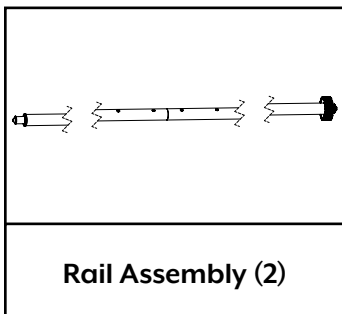
8-2 Remove M10 x 80mm SBHCS. Save the large washer and small washer for the next step.



8-3 Install the Hand Wheel Assembly as shown.

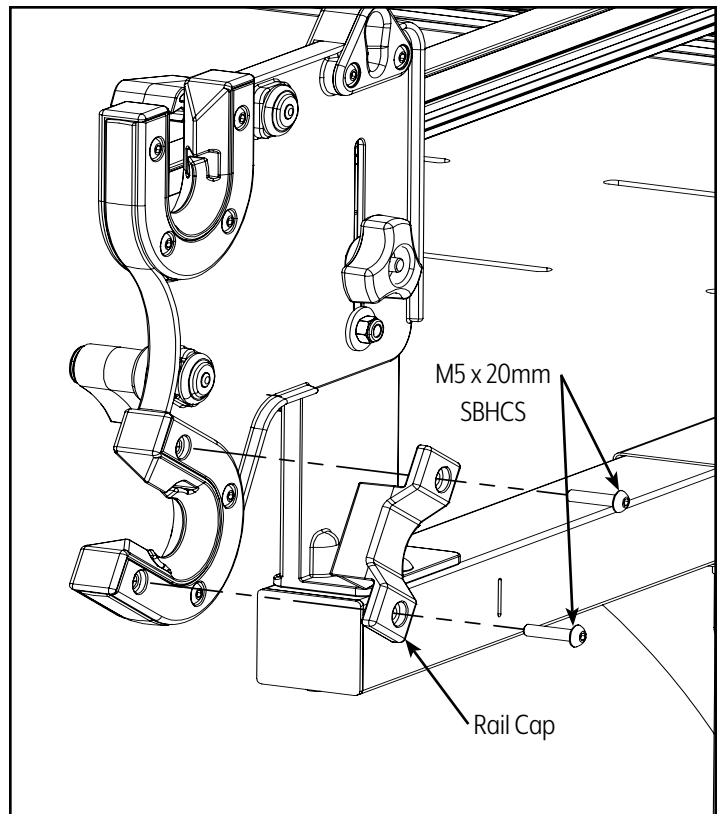
### Step 9 - Rail Installation

Parts Needed:



Tools Needed:

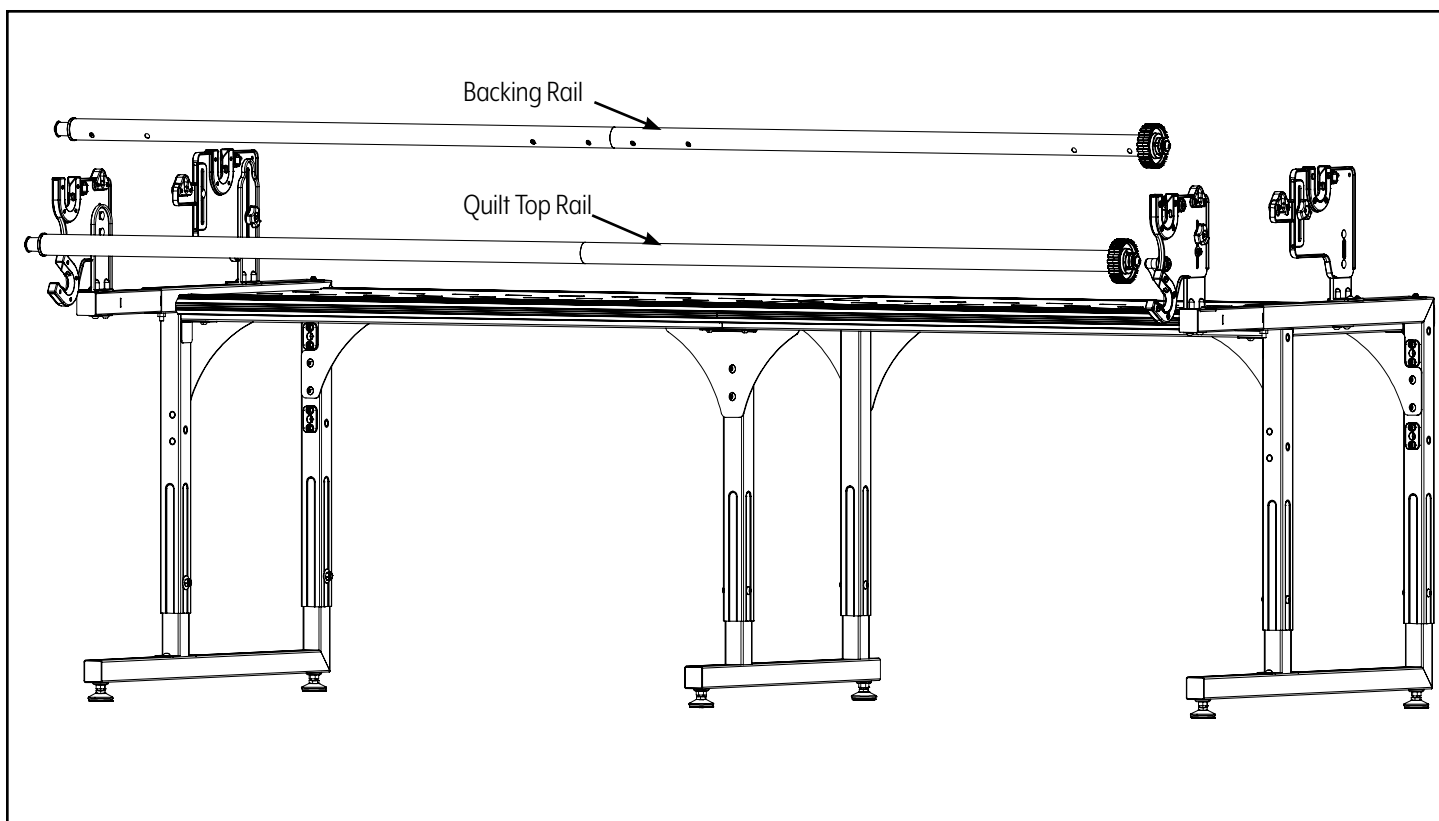
**3mm Allen Wrench**



9-1 Remove Rail Caps.

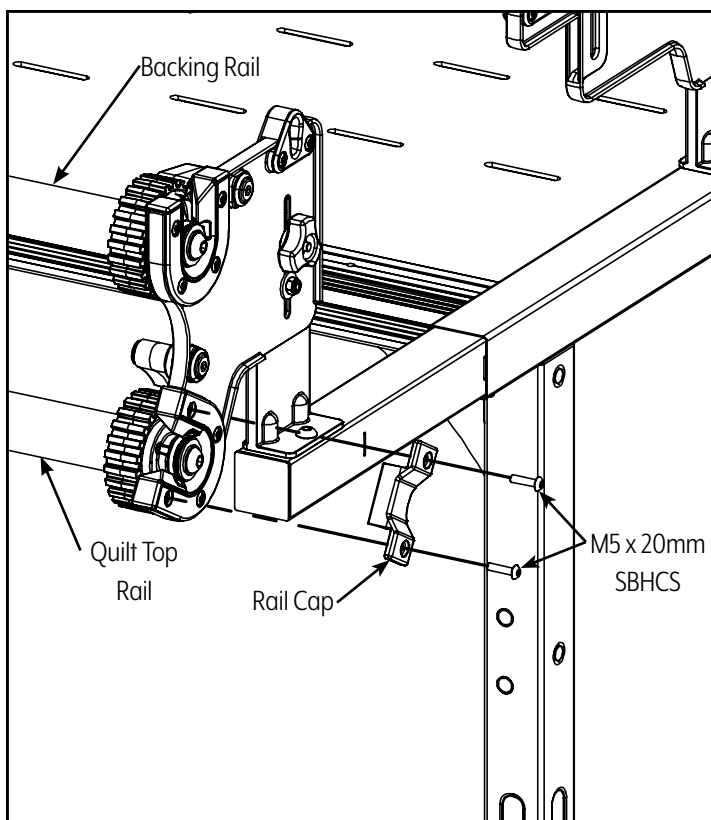
**Note:** Right side shown, repeat for left side.

## Table Sections and Rail Assembly



9-2 Install the Backing Rail and the Quilt Top Rail.

**Note:** Do not install the Take-Up rail at this time.



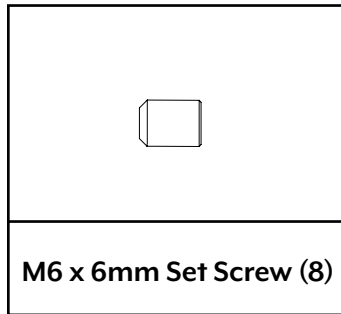
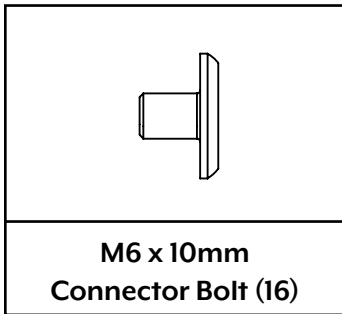
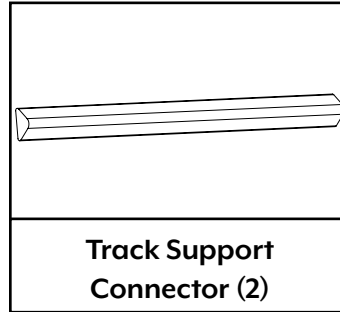
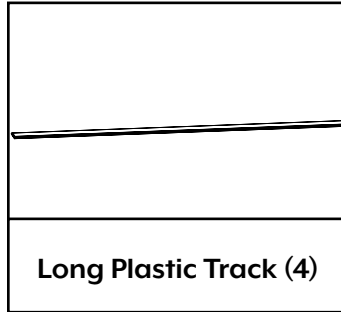
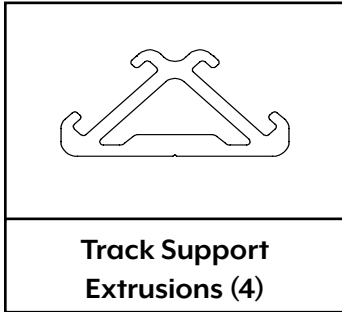
9-3 Reinstall the Rail Caps.

**Note:** Right side shown, repeat for left side.

## Track Sections Assembly

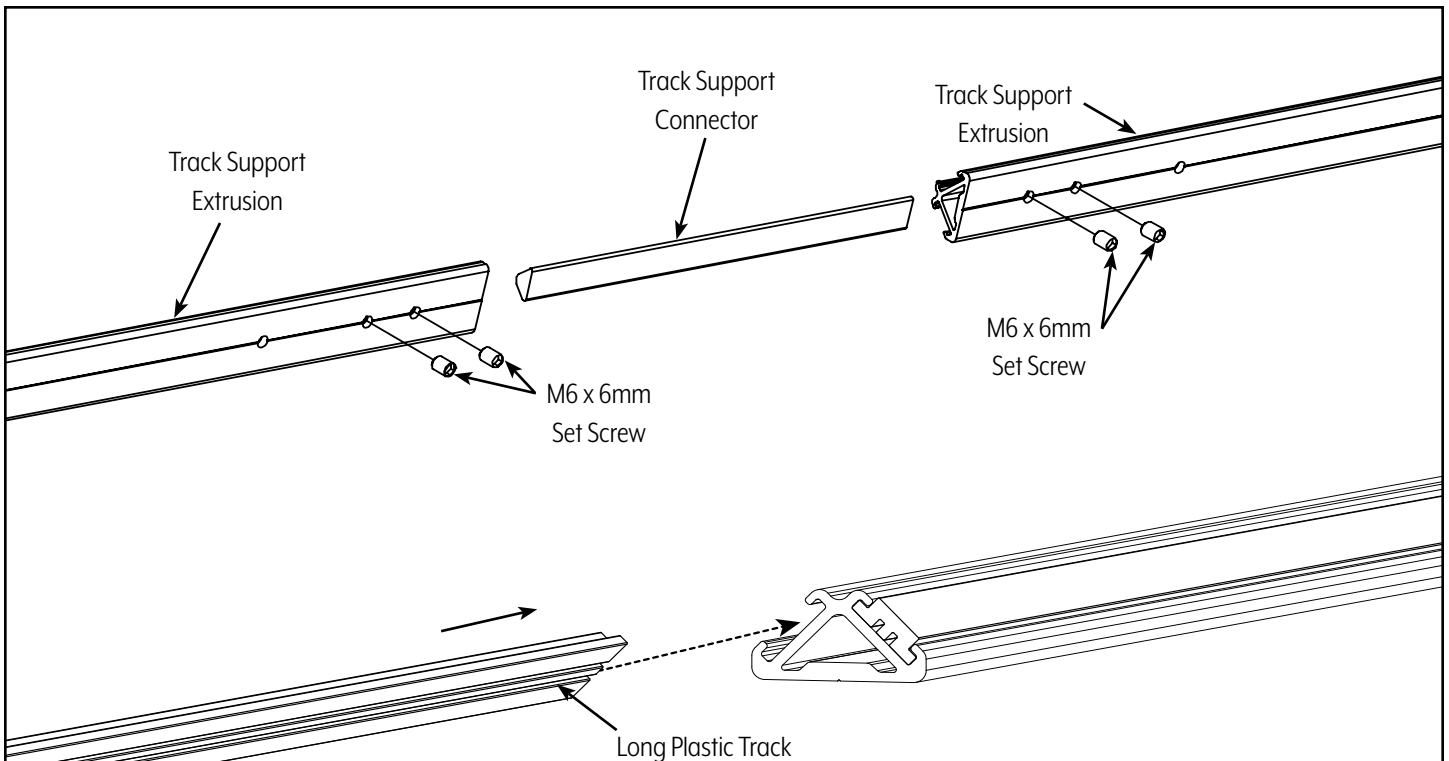
### Step 10 - Track Support Setup (8 foot and 10 foot)

Parts Needed:



Tools Needed:

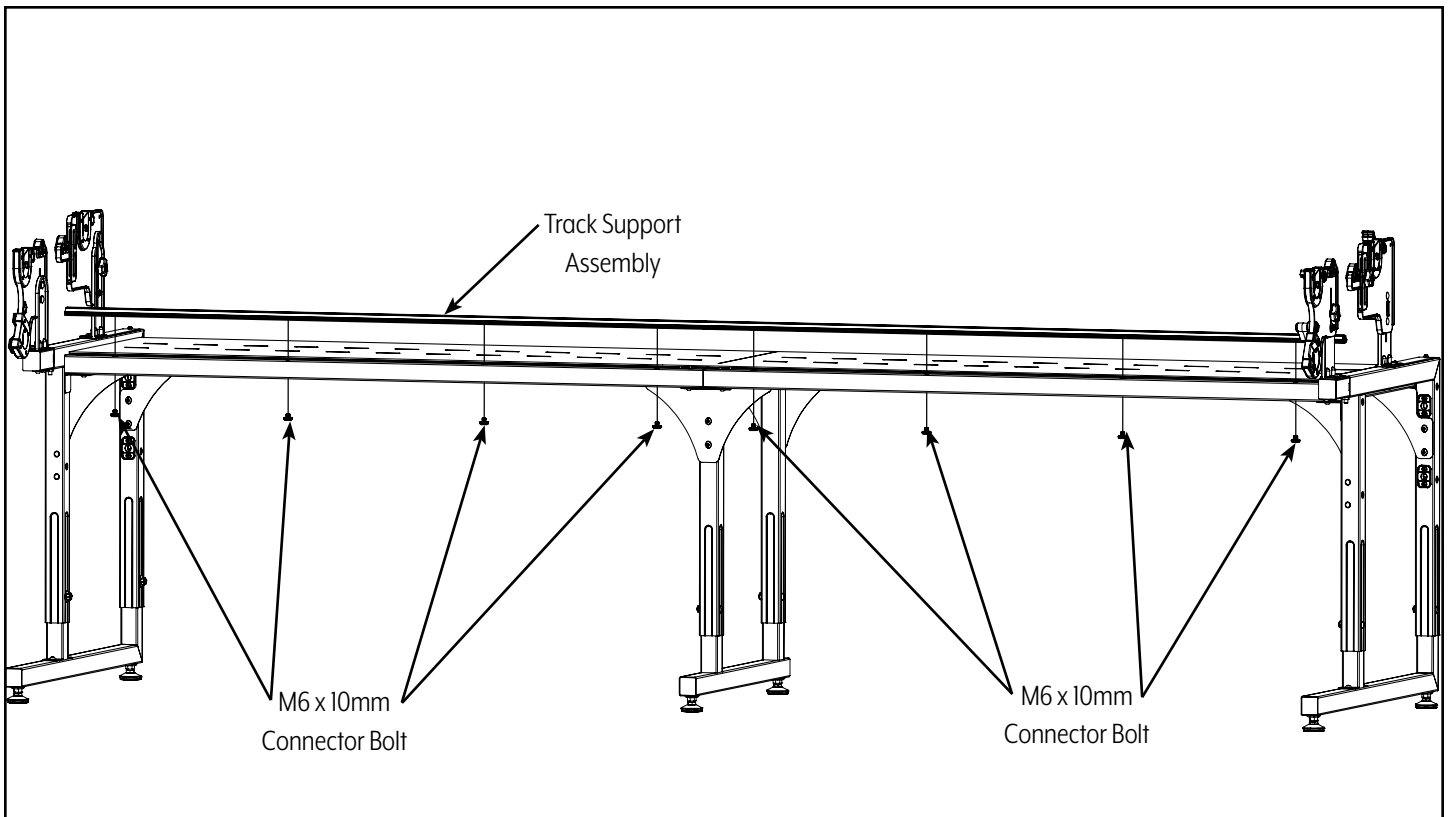
4mm T-Handle Allen Wrench



10-1 Assemble Track Support making sure there is no gap between the Track Support Extrusions. Install the Long Plastic Track into the Track Support Extrusions.

**Note:** Tighten one side of Track Support Extrusion to the Track Support Coupler, then insert the second Track Support Extrusion to Track Support Coupler and tighten.

## Track Sections Assembly

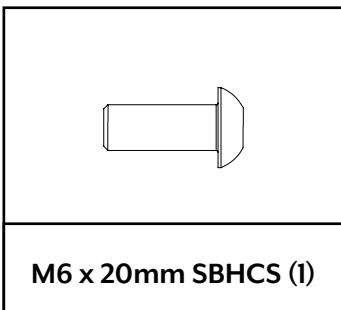
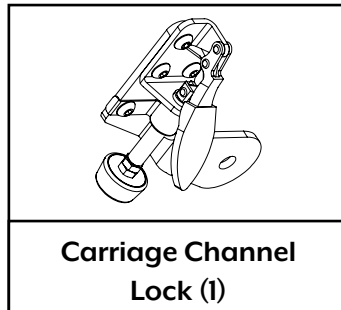
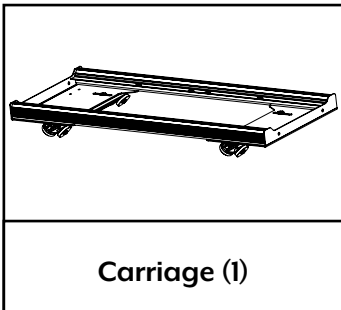


10-3 Secure Track Support Assembly to the Table.

**Note:** Repeat for Back Track Support and tighten M6 x 10mm Connector Bolts with Track parallel to the back of the Table. Do not tighten M6 x 10mm connector bolts on Front Track Support until after carriage installation.

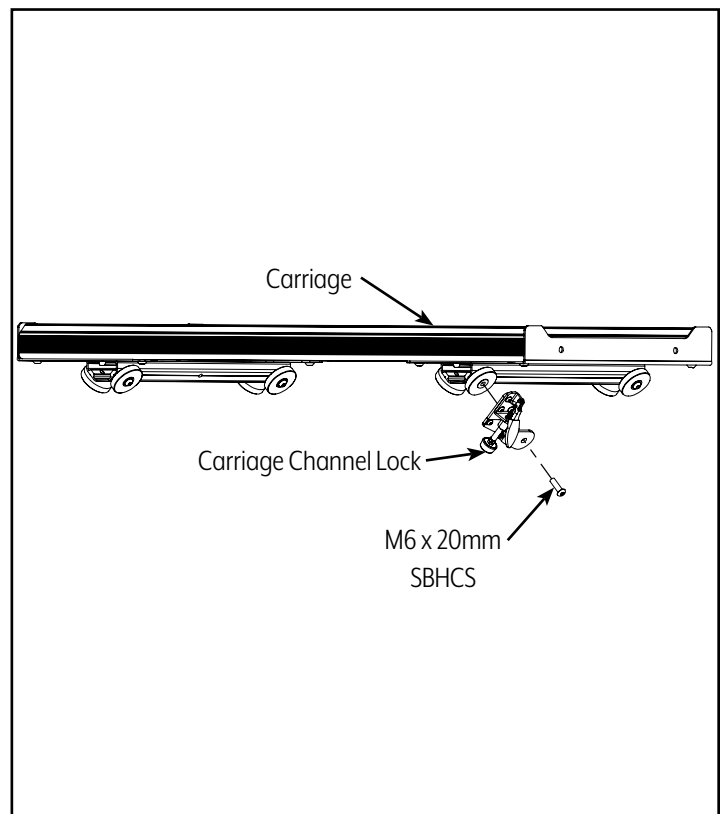
### Step 11 - Continuum Carriage Assembly

Parts Needed:



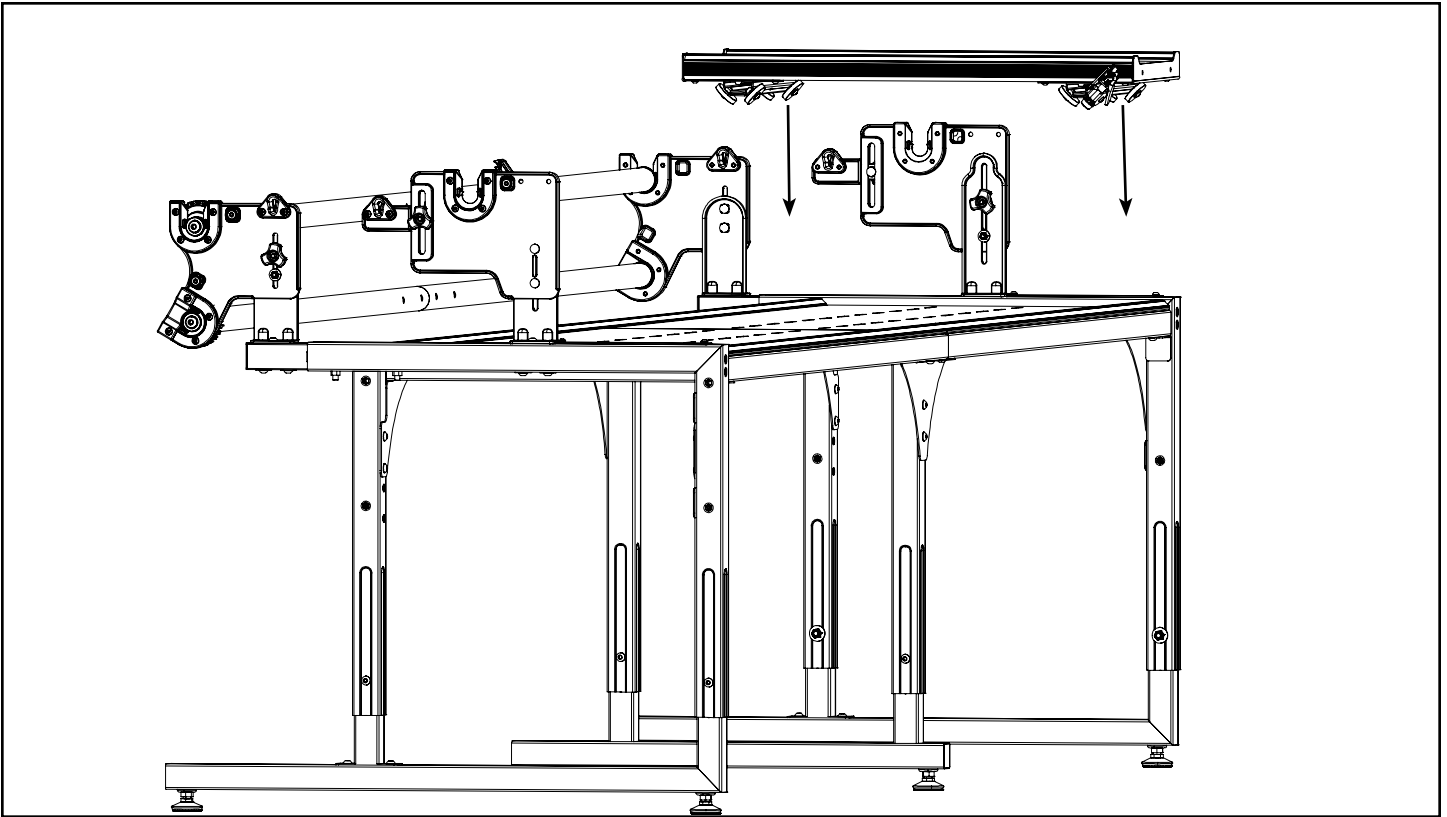
Tools Needed:

**4mm T-Handle  
Allen Wrench**



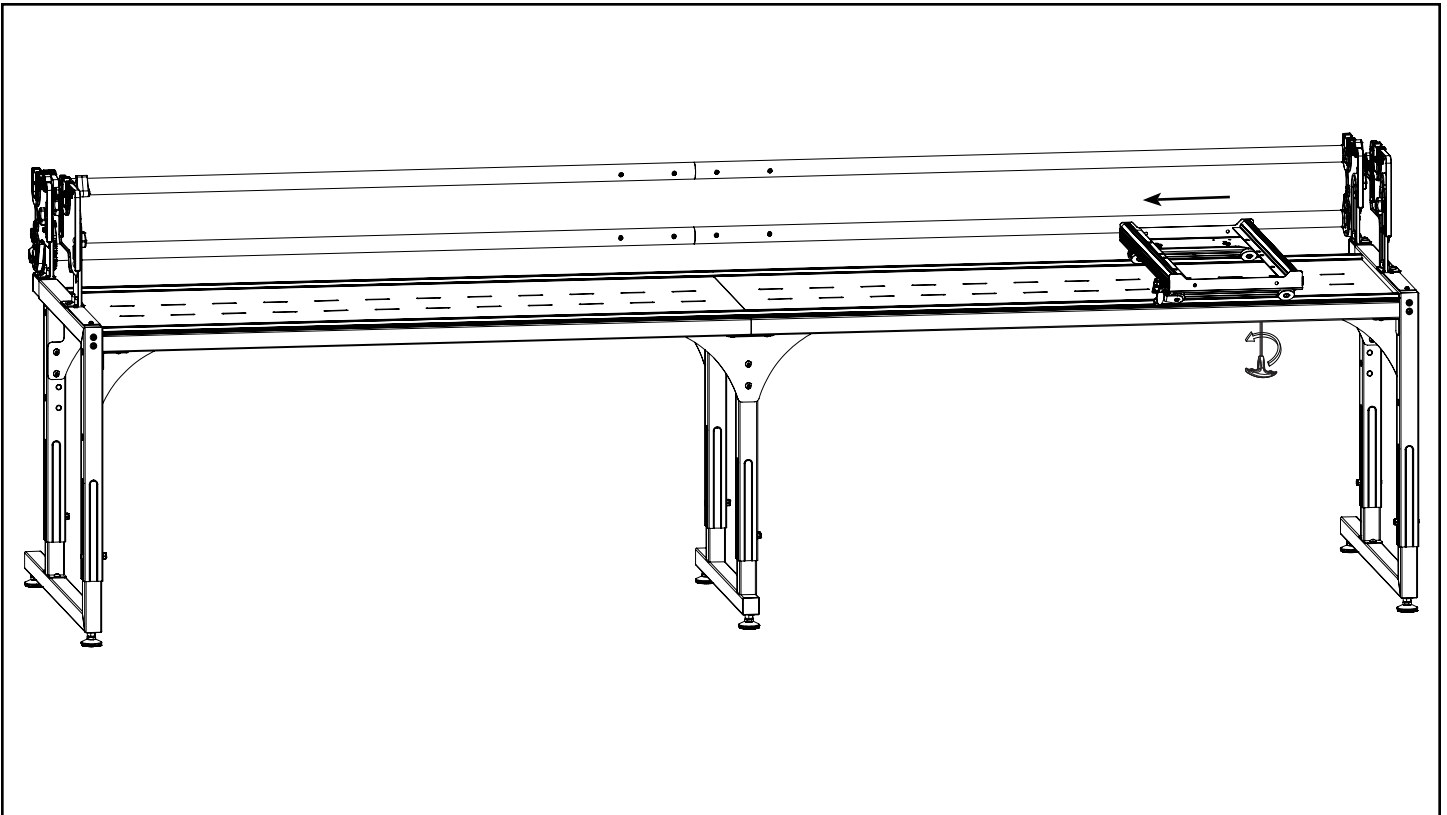
11-1 Attach Carriage Channel Lock to Carriage.

## Carriage Installation



11-2 Place Carriage onto the Plastic Track.

**Note:** Make sure Channel Lock is open.



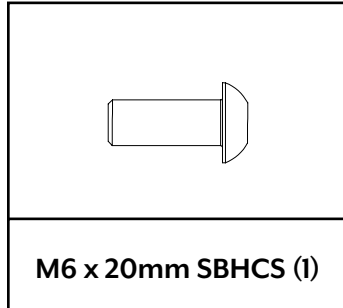
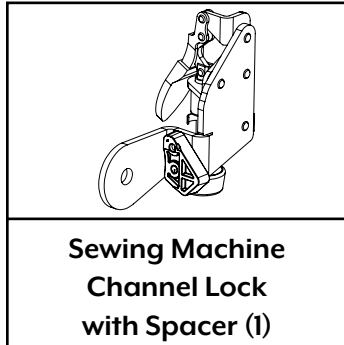
11-3 Align track by slowly moving the Carriage along Plastic Track, tightening each M6 x 10mm Connector Bolts on the front track starting at one side of the frame to the opposite side.



## Carriage Installation

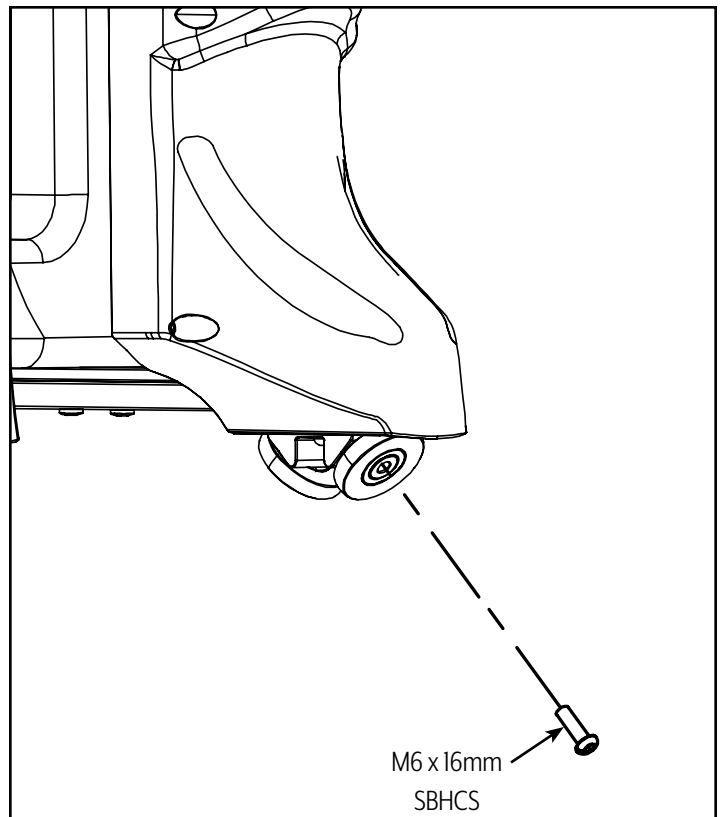
### Step 12 - 14+ Sewing Machine Installation

Parts Needed:

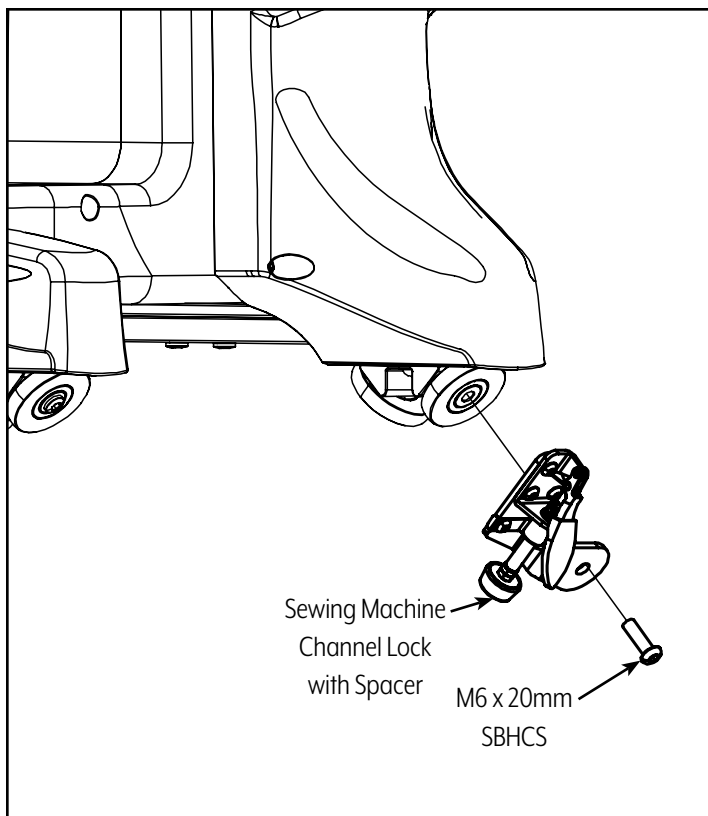


Tools Needed:

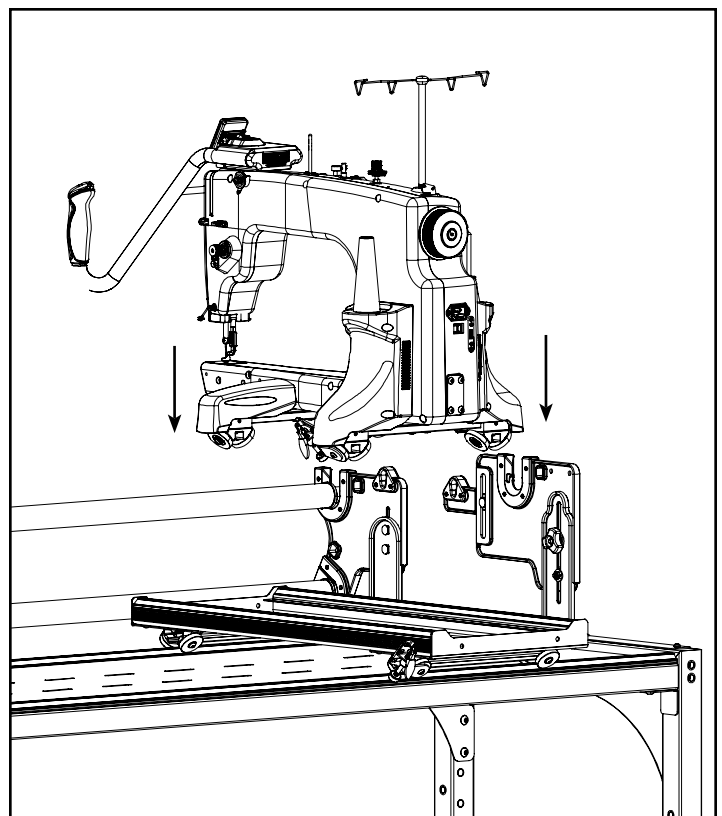
4mm T-Handle Allen Wrench



12-1 Remove right rear M6 x 16mm SBHCS.



12-2 Install Sewing Machine Channel Lock onto Sewing Machine.

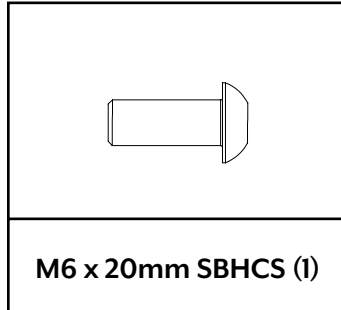
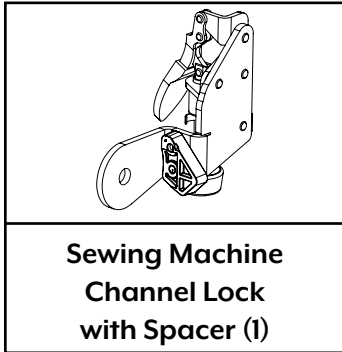


12-3 Place Sewing Machine onto Carriage.  
**Note:** Make sure Channel Lock is open.

## Carriage Installation

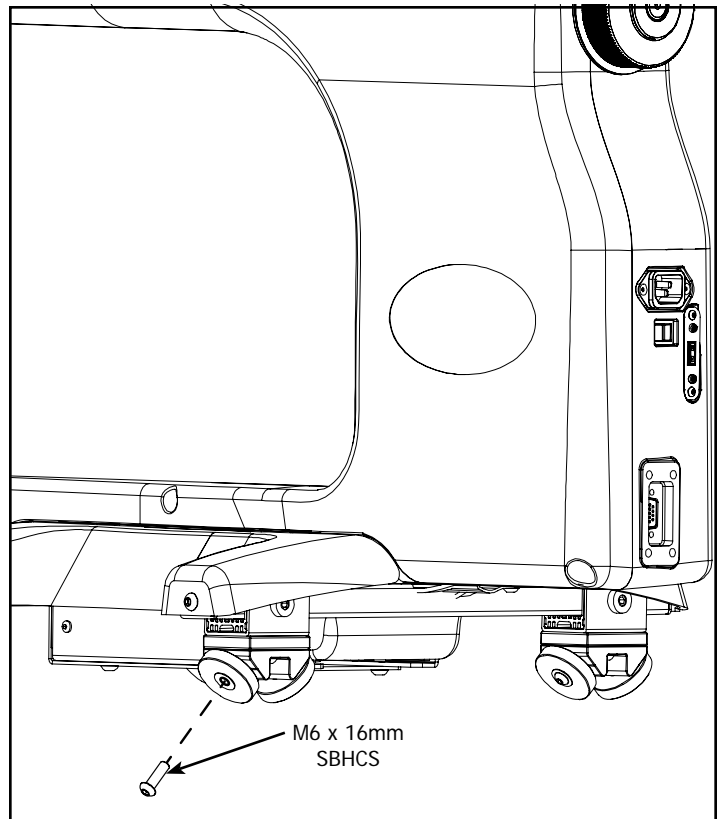
### Step 13 -21" Sewing Machine Installation

Parts Needed:

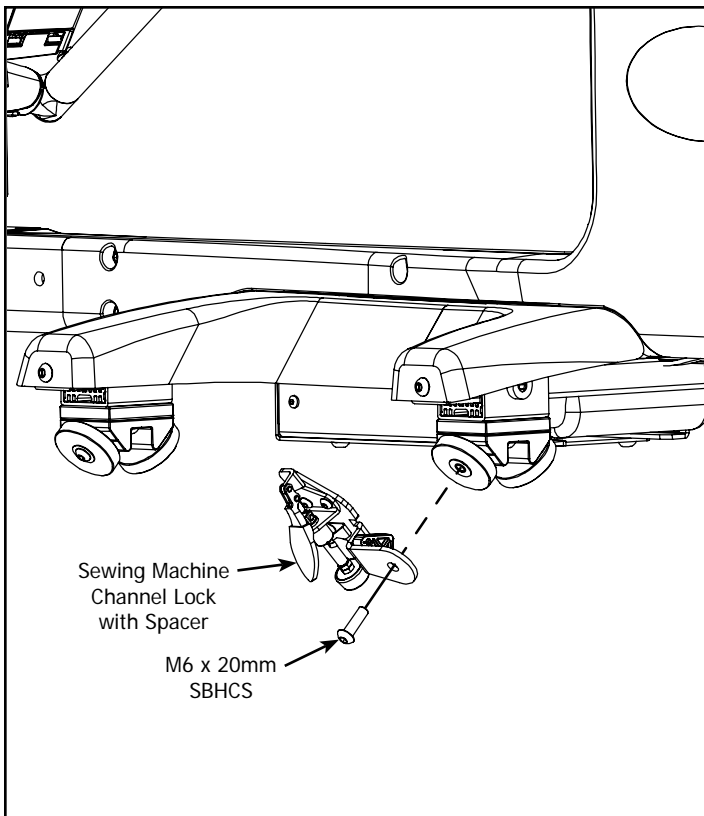


Tools Needed:

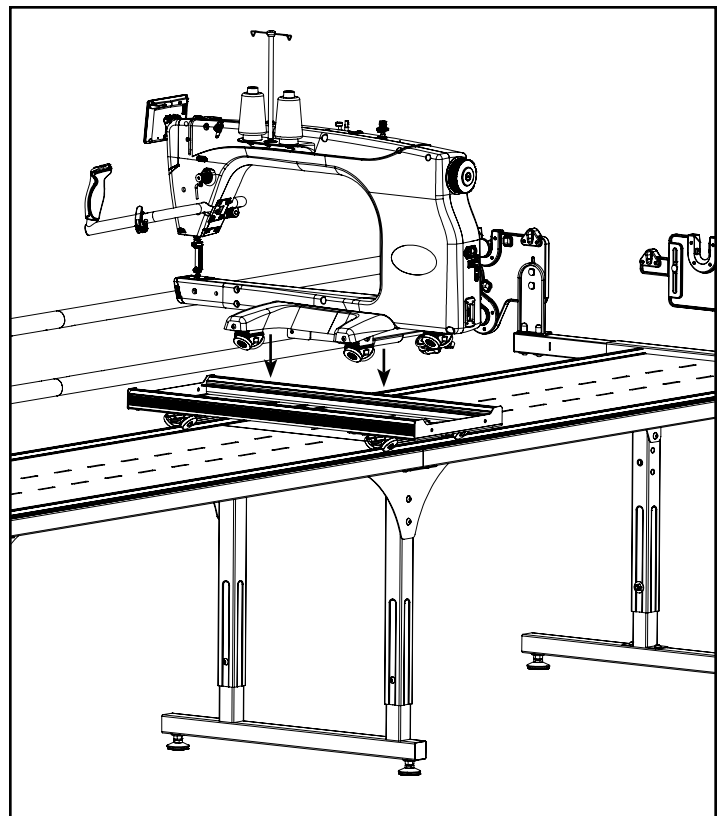
4mm T-Handle Allen Wrench



13-1 Remove right rear M6 x 16mm SBHCS.



13-2 Install Sewing Machine Channel Lock onto Sewing Machine.

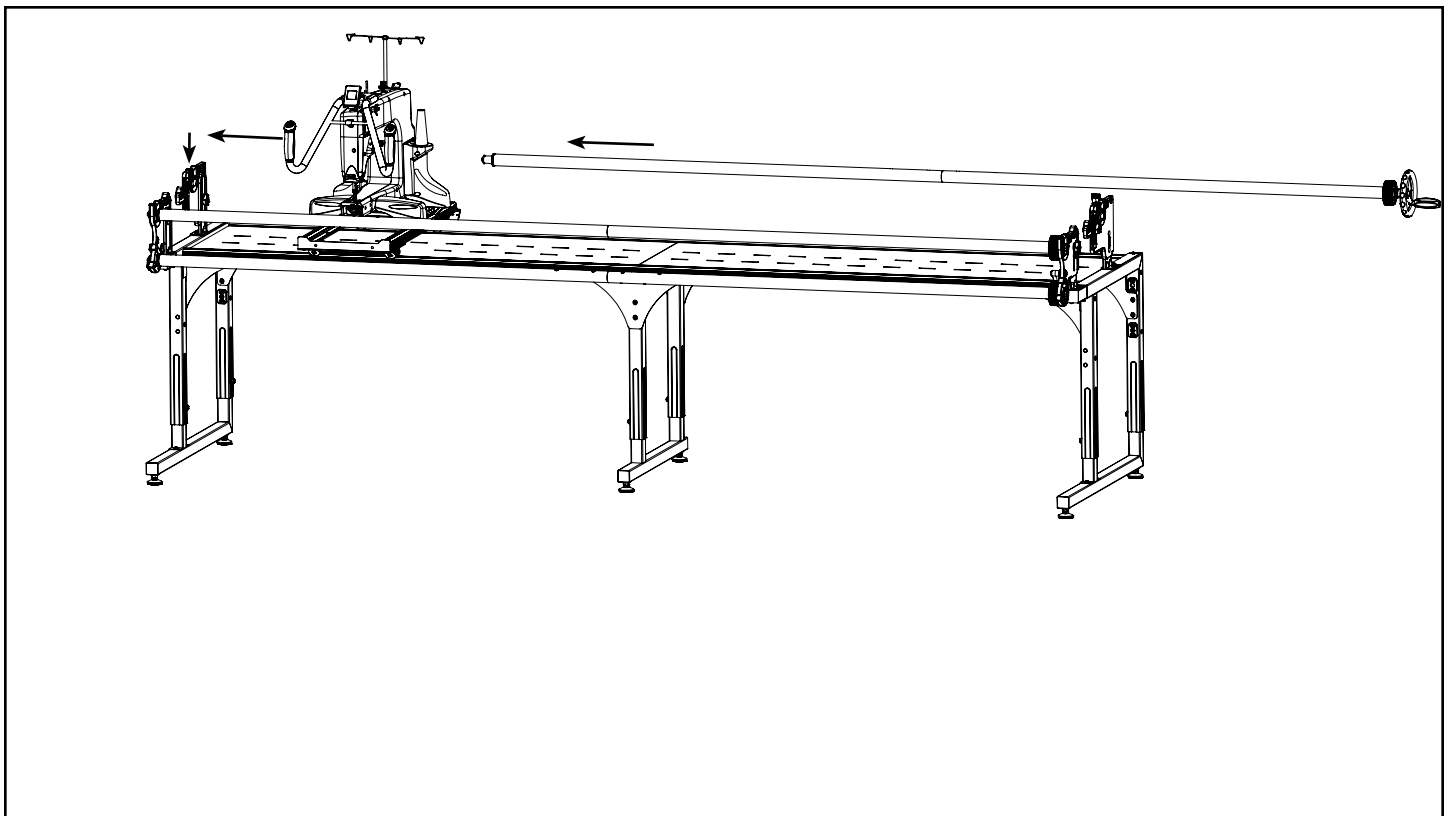
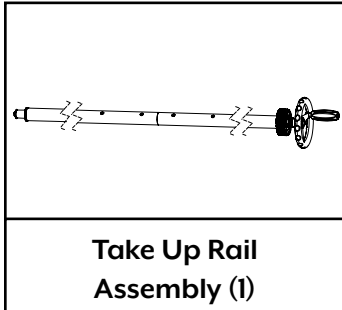


13-3 Place Sewing Machine onto Carriage.  
**Note:** Make sure Channel Lock is open.

## Carriage Installation

### Step 14 - Install Take Up Rail

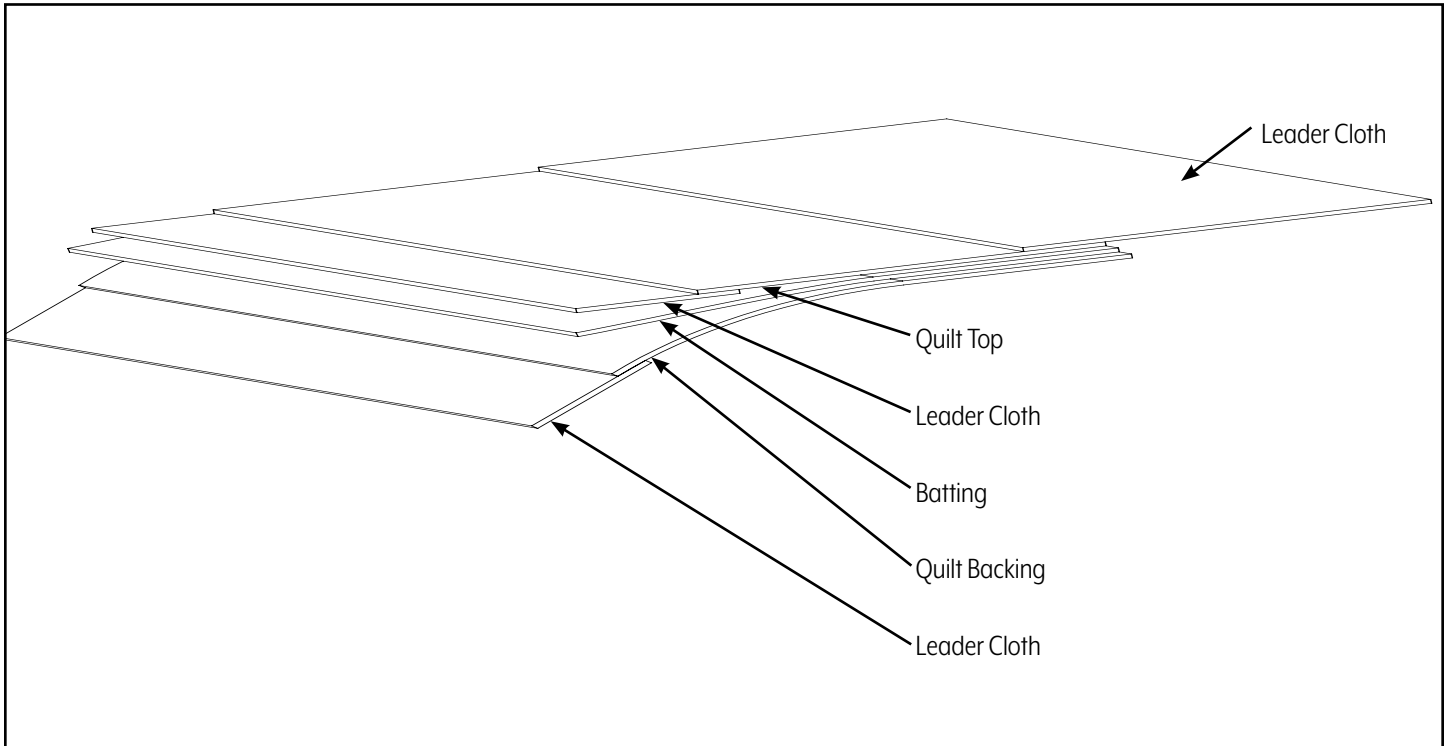
Parts Needed:



14-1 Install the Take-Up Rail Assembly.

## Fabric Installation

### Step 15 - Leader Cloth Setup



15-1 Pin the Leader Cloth to the appropriate sections of the Quilt.

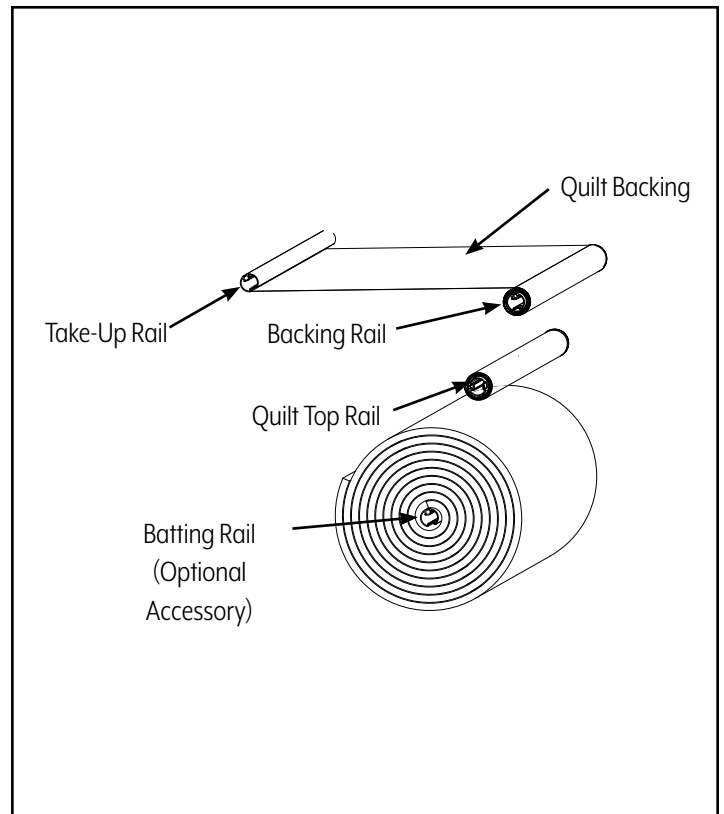
**Note:** This assembly step is universal for Crib, Queen, or King size frames.

**Note:** Place quilt backing fabric with finished side down, and place quilt top fabric with finished side up.

### Step 16 - Fabric Installation

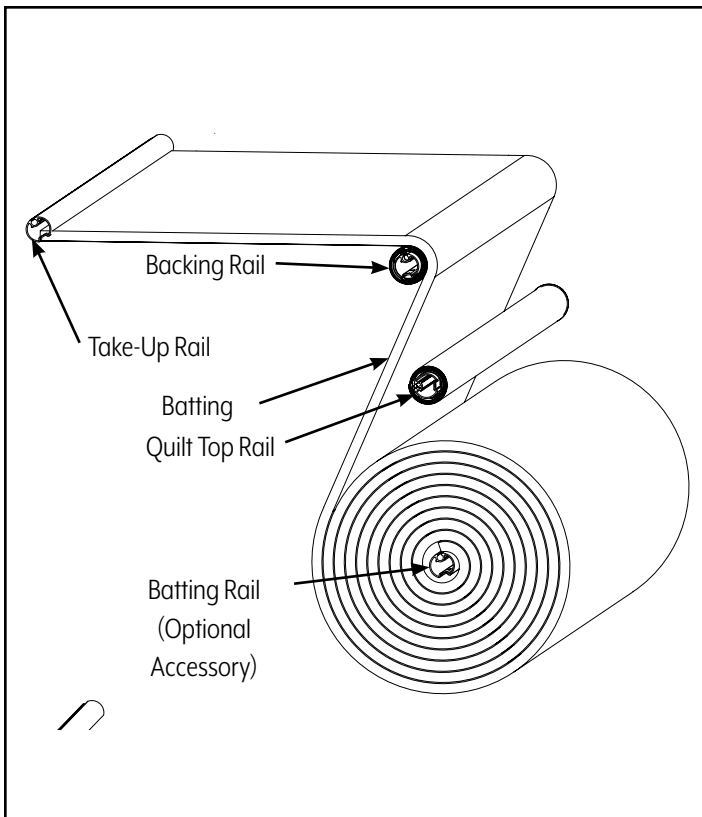
#### Rolling your Fabric

Make sure that the rail's ratchet system is engaged and ratchets as it rolls. This will ensure you roll the fabric in the correct direction.



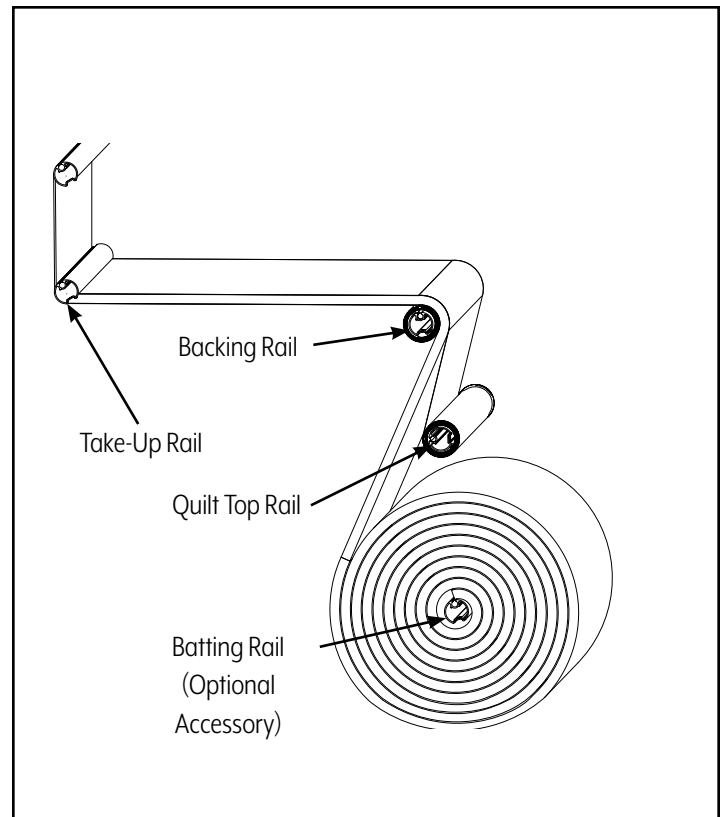
16-1 Tape Backing Leader Cloth to the Backing Rail and roll fabric around the Backing Rail.

## Fabric Installation

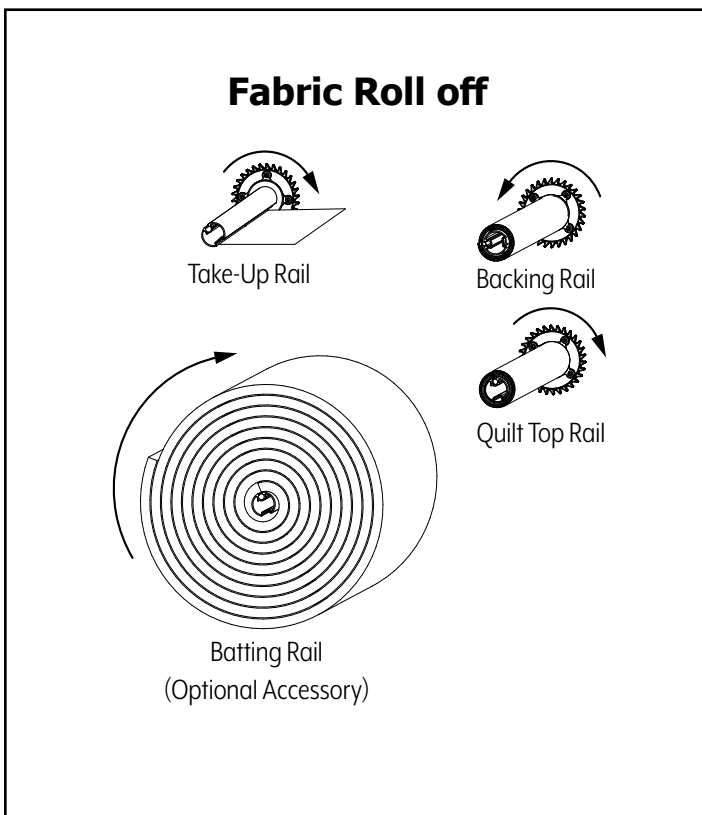


16-2 Route Batting as shown.

**Note:** If your frame does not include the Batting Rail Accessory, let batting lay on floor under the frame.



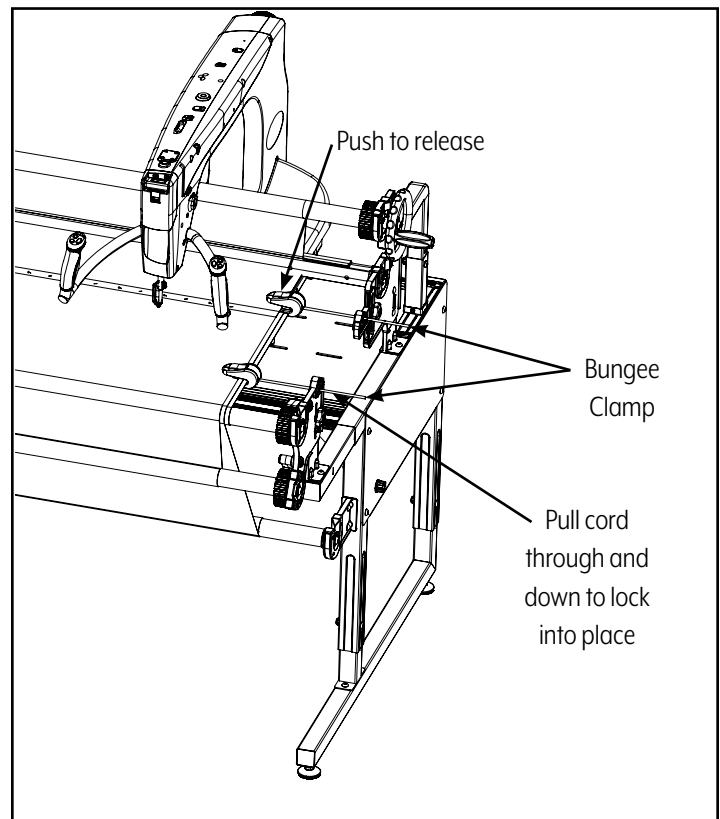
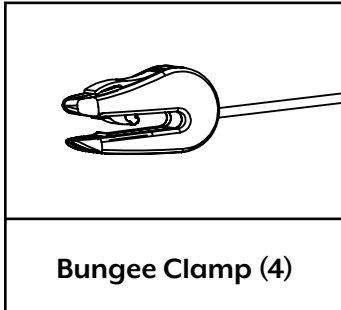
16-3 Tape Top Leader Cloth to the Quilt Top Rail and roll fabric around the Quilt Top Rail.



## Fabric Installation

### Step 17 - Bungee Clamp Installation

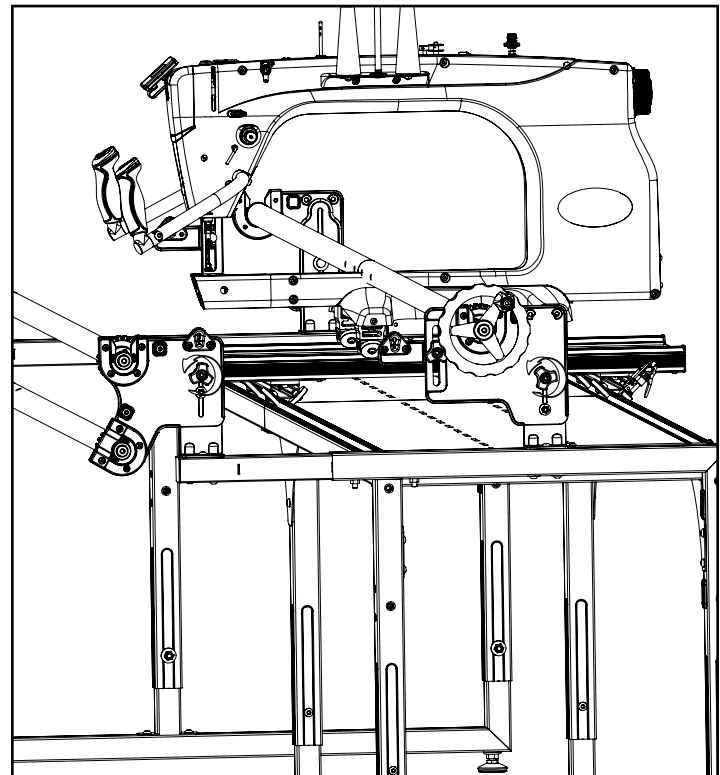
Parts Needed:



17-1 Attach Bungee Clamps to fabric making sure fabric is stretched evenly.

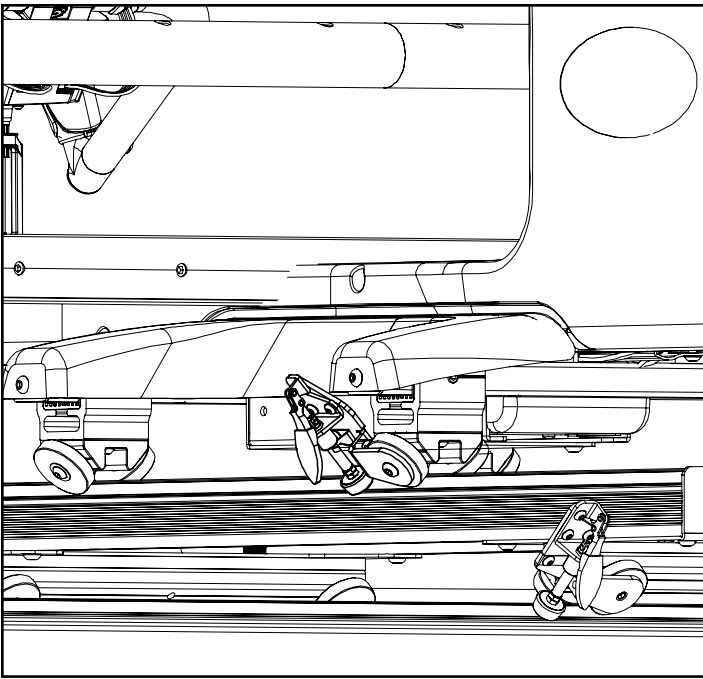
**Note:** Repeat for left side.

### Step 18 - Care and Use

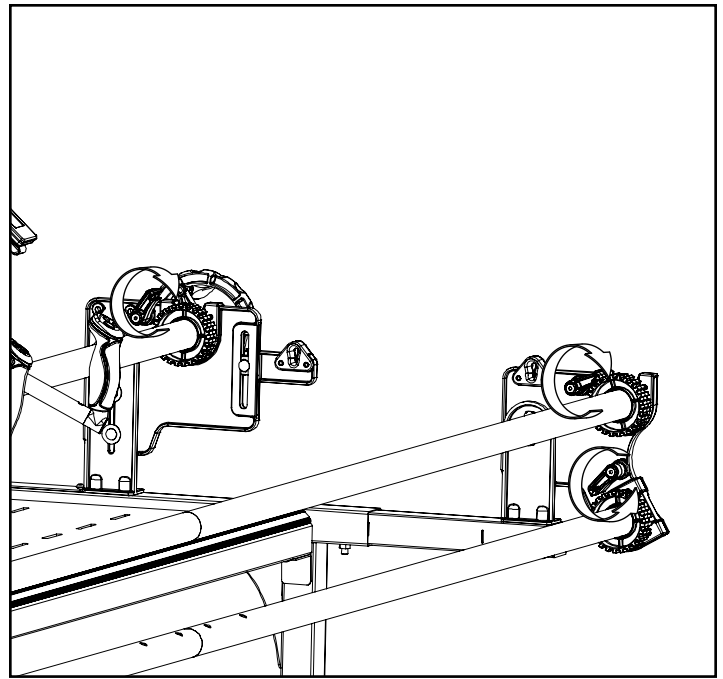


18-1 Adjust the Rail Support Assemblies by loosening the knobs and moving the assembly up or down as necessary to fit the batting in the throat of the machine.

## Care and Use



18-2 Adjust nuts on the channel locks to adjust tension against tracks.



18-3 To engage Ratchet Stops rotate Ratchets in directions shown.

### Quilting Tips:

- Be Careful not to sew too close to the edge, to prevent hitting the Bungee Clamps, or running off the edge of the quilt. Also, if you are using side leaders, avoid accidentally stitching the leader to your quilt.
- If your quilt will fit onto your frame length-wise attach your quilt's fabric to the rails along it's length. You will have to roll the quilt less often, since your work surface will be as large as possible. Also, the quilt will not be as large under the arm of the machine when you get to the end.
- Make sure to turn off your sewing machine any time you leave your quilting room.

### Rails:

- Keeping the fabric on the Take-Up Rail, just slightly above the bed of the sewing machine, yields the best results. If the fabric is too high off the bed, thread and needle breakage may occur. If it is pressing down on the bed of the machine it will be difficult to roll the sewing machine on the frame.
- When rolling the quilt, pull the batting a little to each side to make sure that it is not bunching. After rolling and tightening all the rails, check under the quilt to see that the back is smooth.

### Stitch Regulating:

- If the machine only appears to be stitch regulating in one direction, make sure the encoder cords are plugged in tightly on both ends. Make sure the encoder O-rings are contacting the track and rolling when the machine is moving on the carriage.

### Bungee Clamps:

- If it is necessary to use the bungee clamps over the batting on your quilt, turn the bungee clamps upside down so the rubber grip in the clamp is gripping against the bottom fabric instead of the batting. Having the rubber grip clamp against the batting is less effective than having it clamp against the fabric.

### Fabric Issues:

- Do not over tighten the fabric on the quilting frame. Stretching the fabric will result in a quilt that does not lay flat when it is finished.

### Frame Cleaning:

- Regularly clean the wheels and track of your carriage and frame. Lint from the batting will build up quickly causing the carriage not to roll as smoothly and eventually damage the track.

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**Fax: 801-908-8888**  
**[www.graceframe.com](http://www.graceframe.com)**

